

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

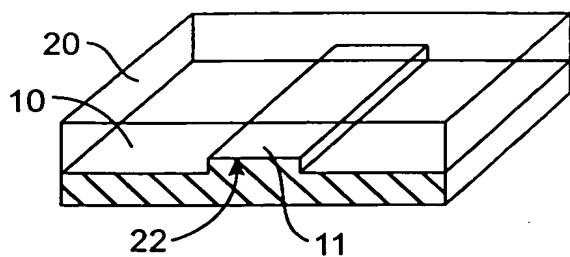


FIG. 1

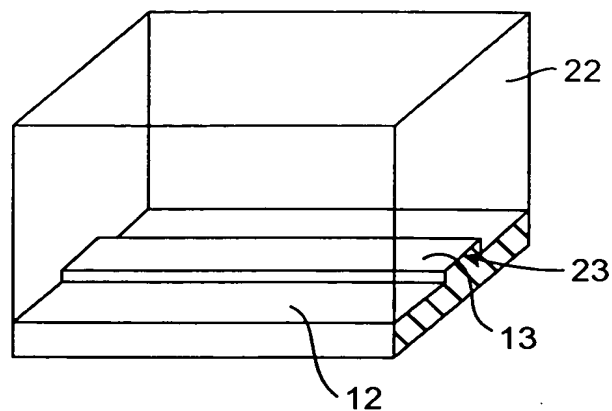


FIG. 2

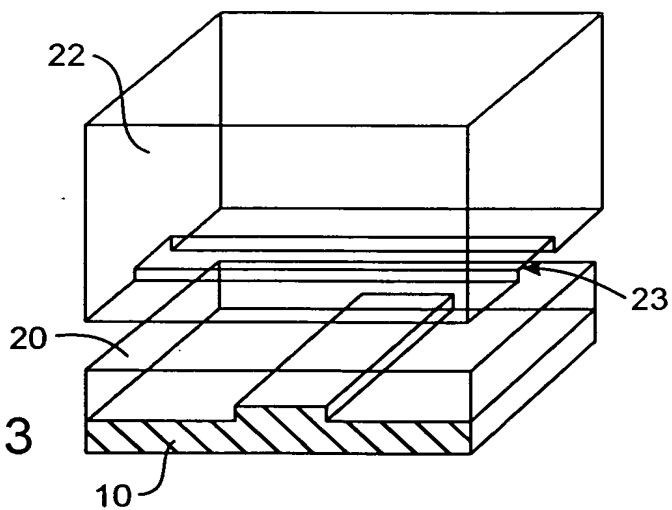


FIG. 3

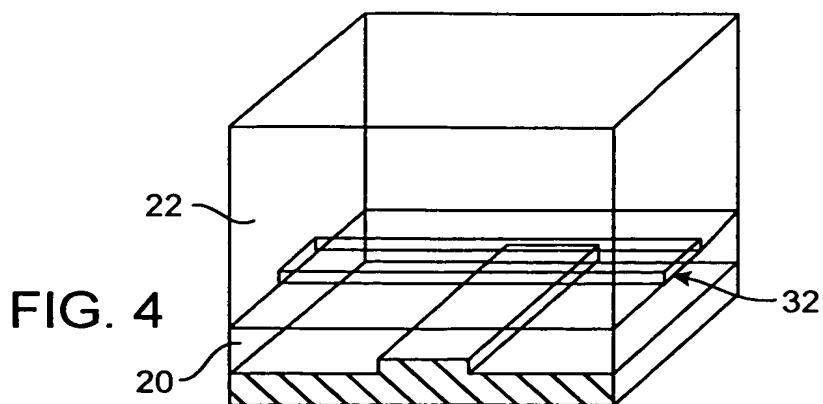


FIG. 4

FIG. 5

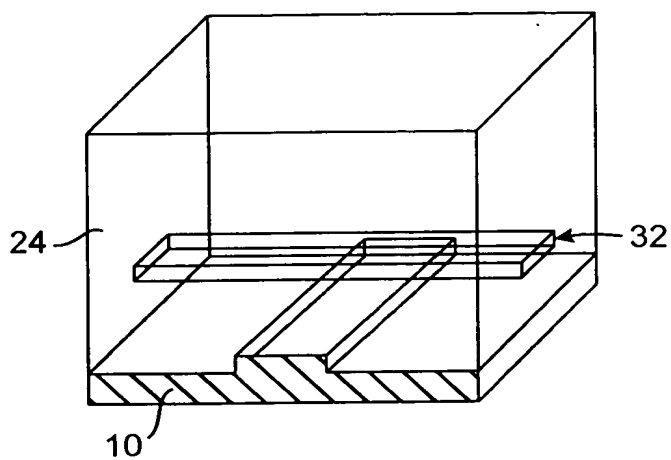


FIG. 6

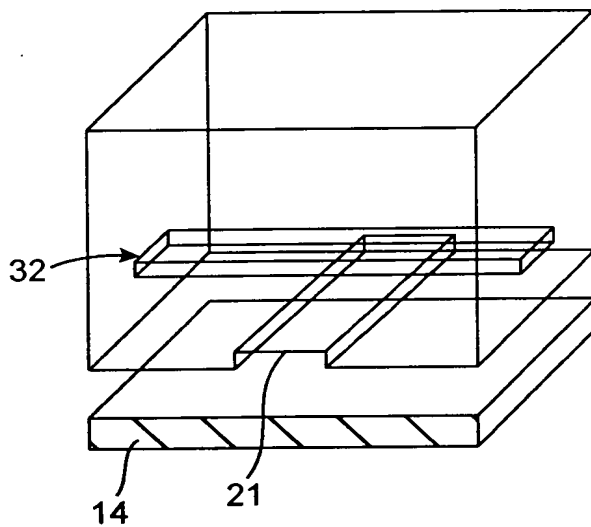
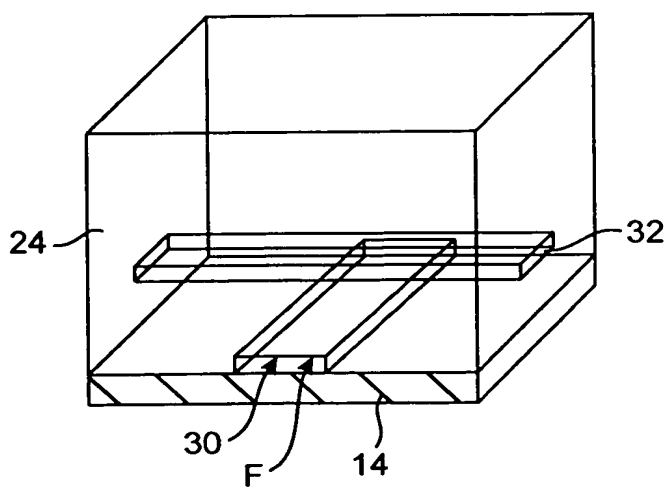


FIG. 7A



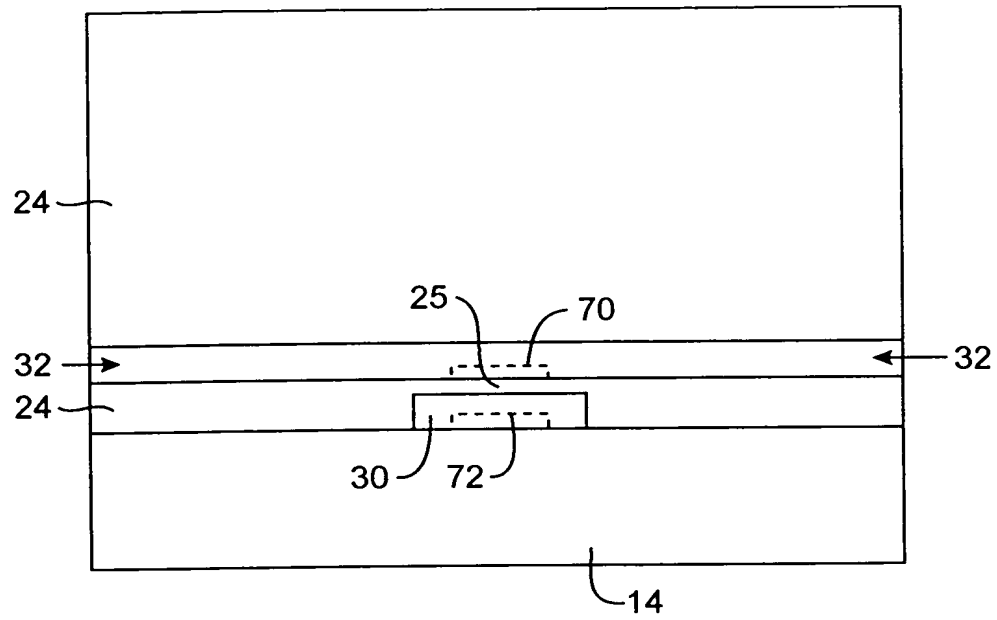


FIG. 7B

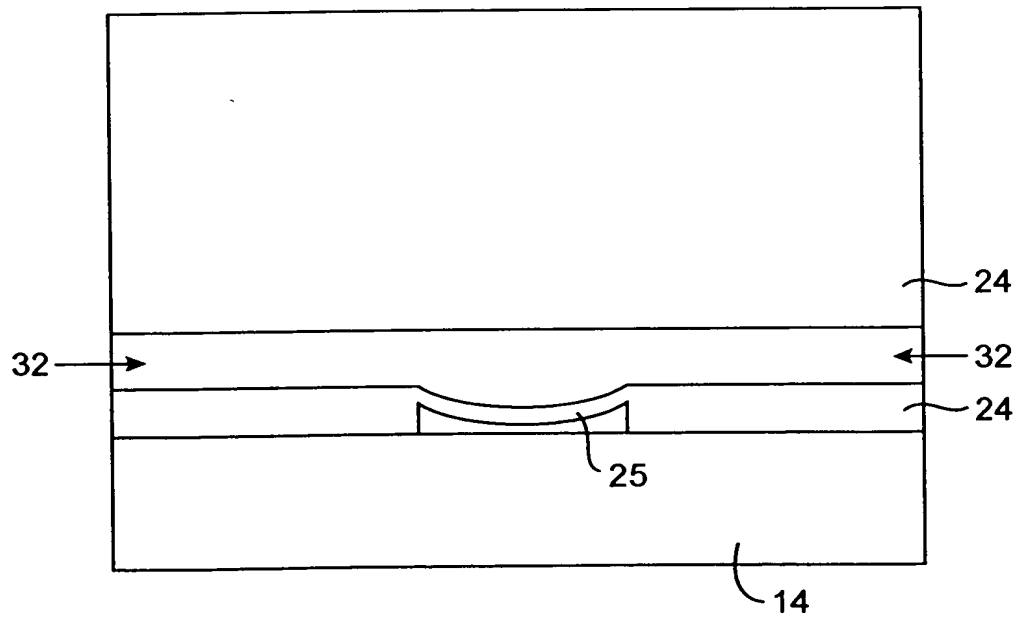
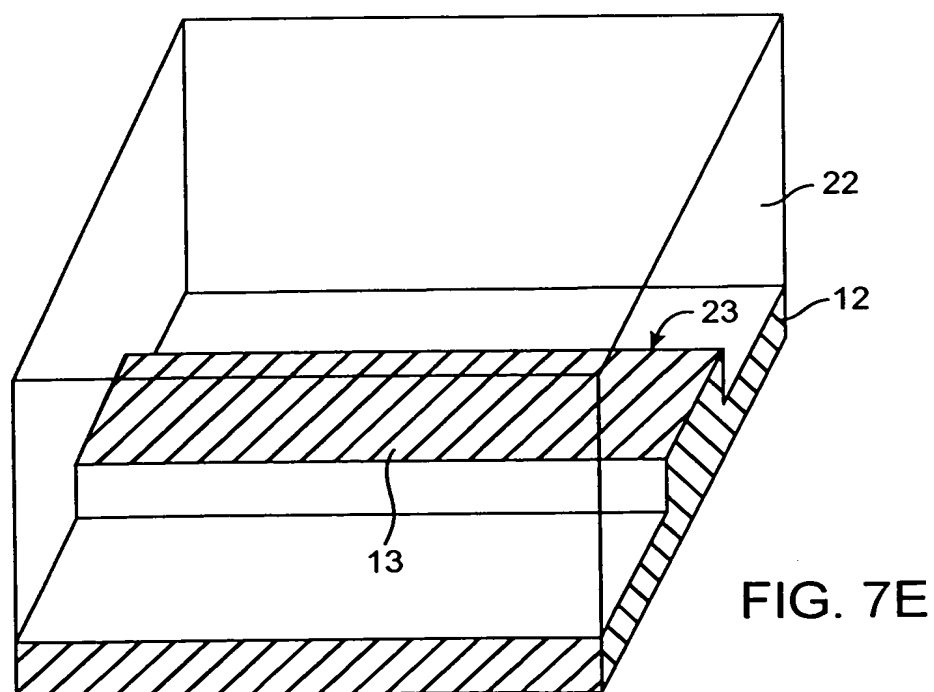
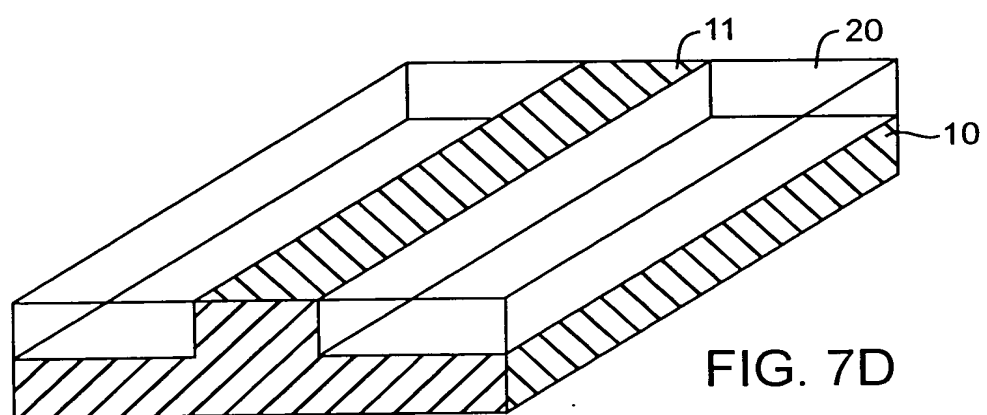
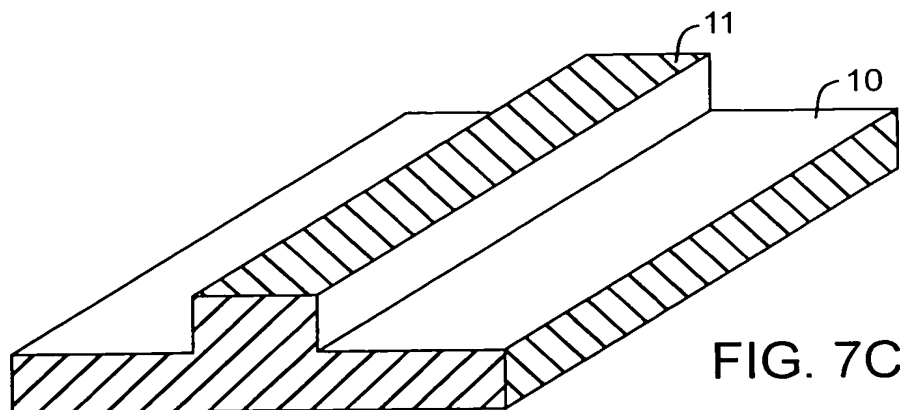
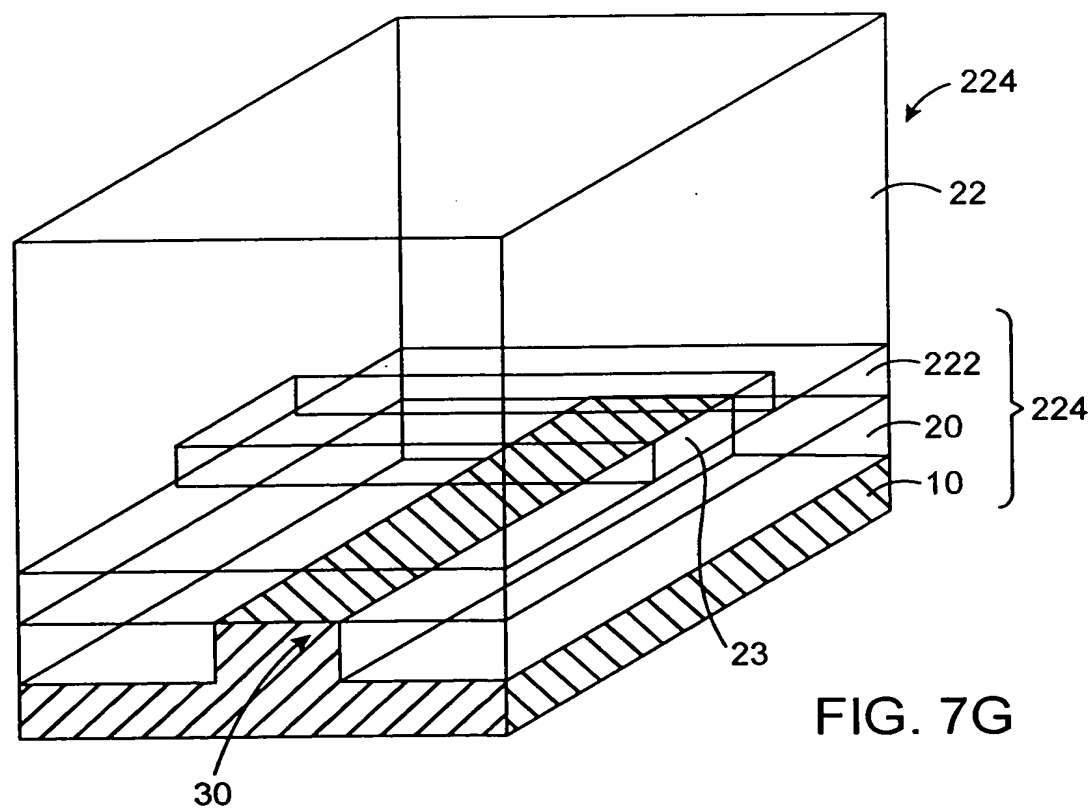
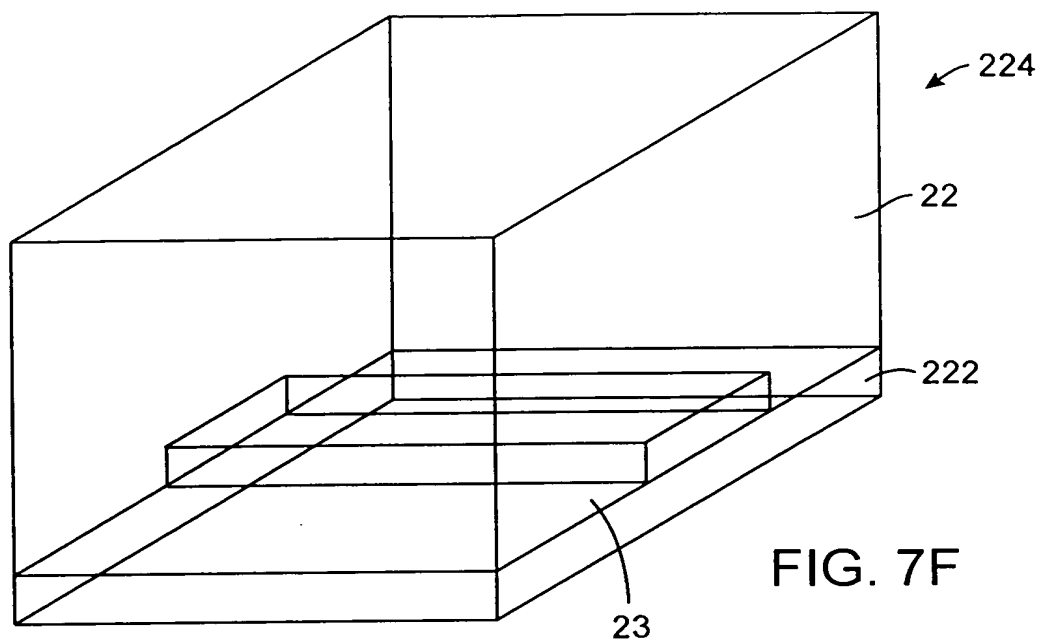


FIG. 7H





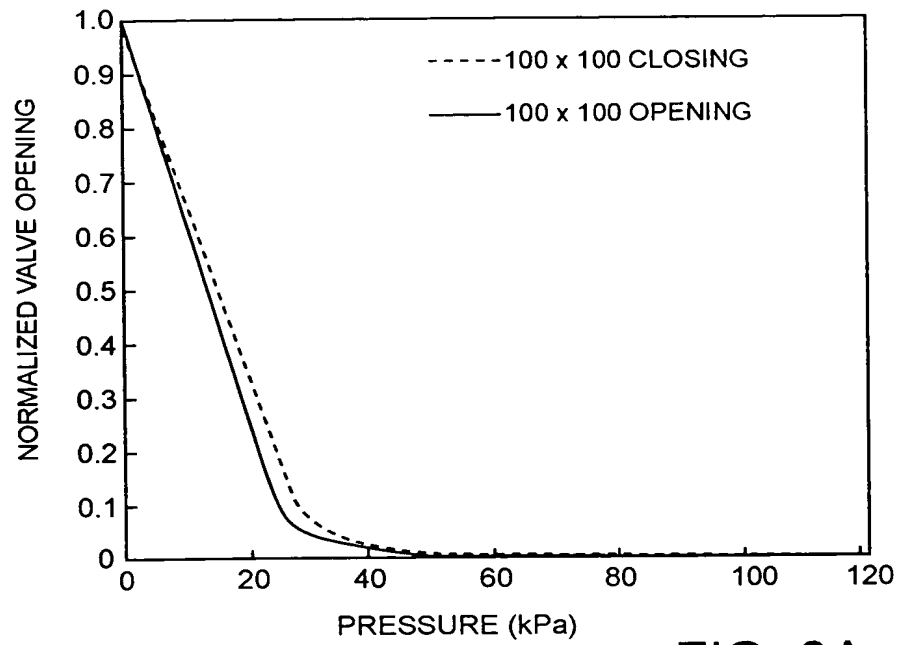


FIG. 8A

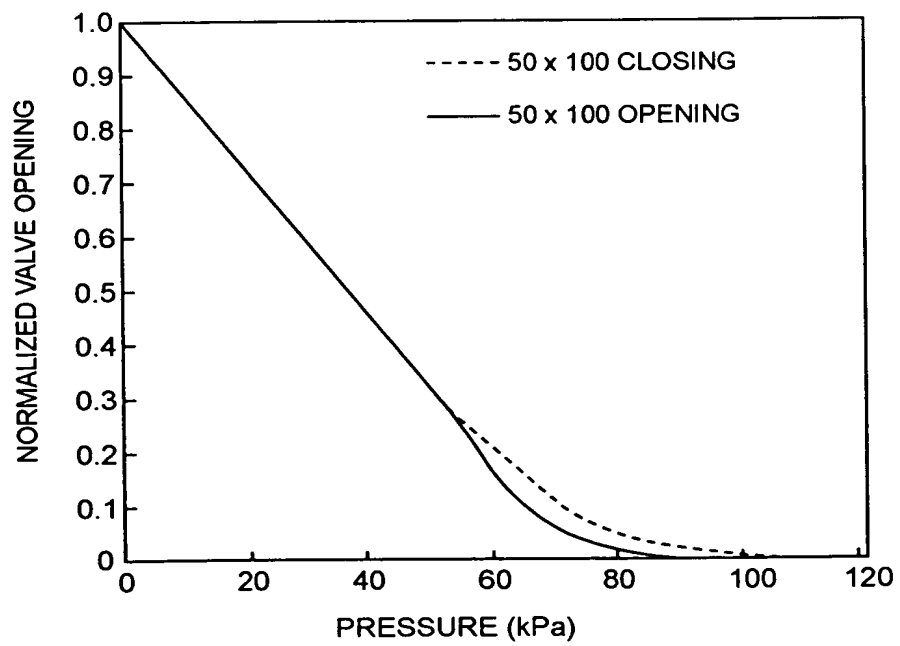
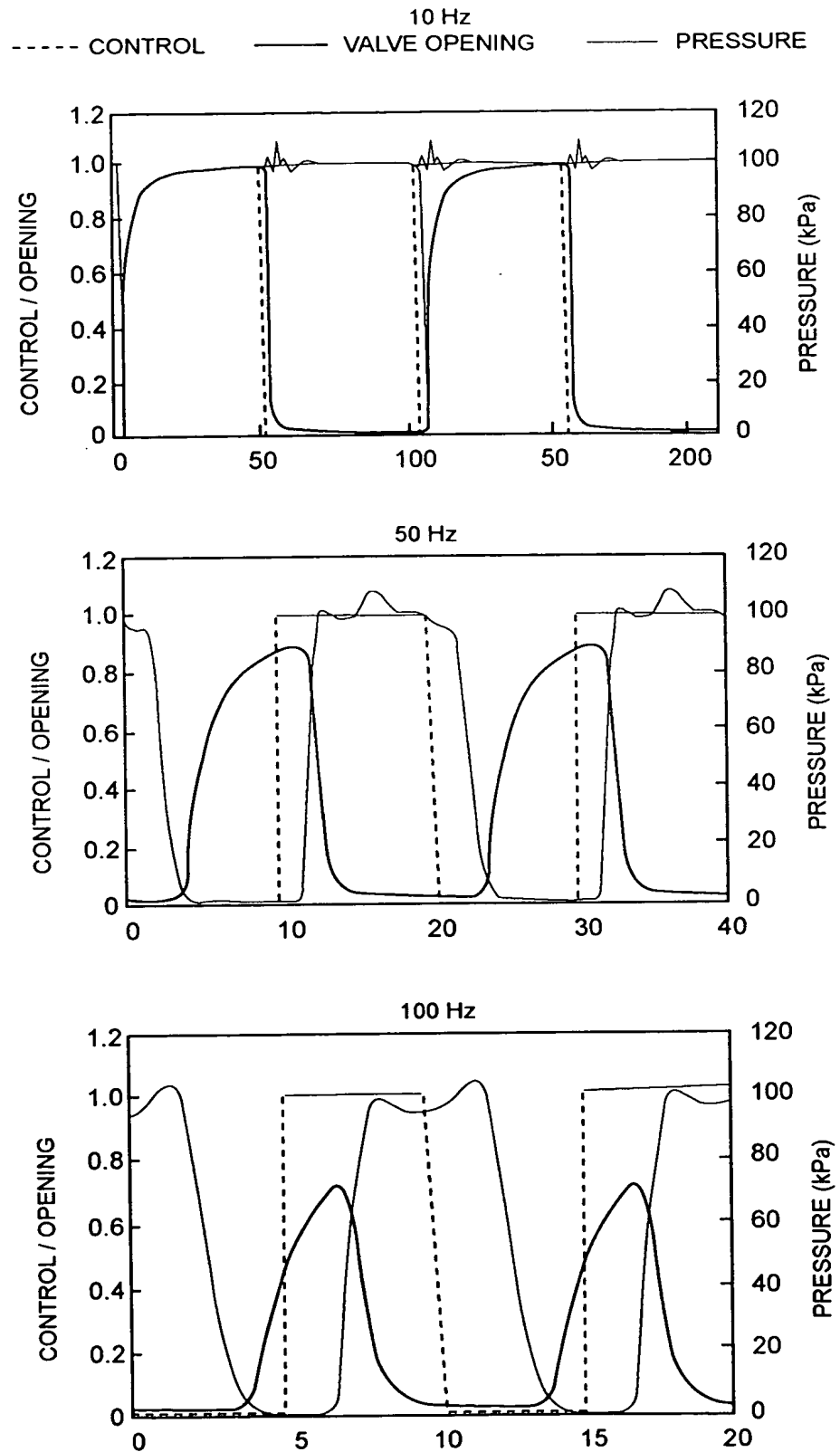


FIG. 8B

FIG. 9



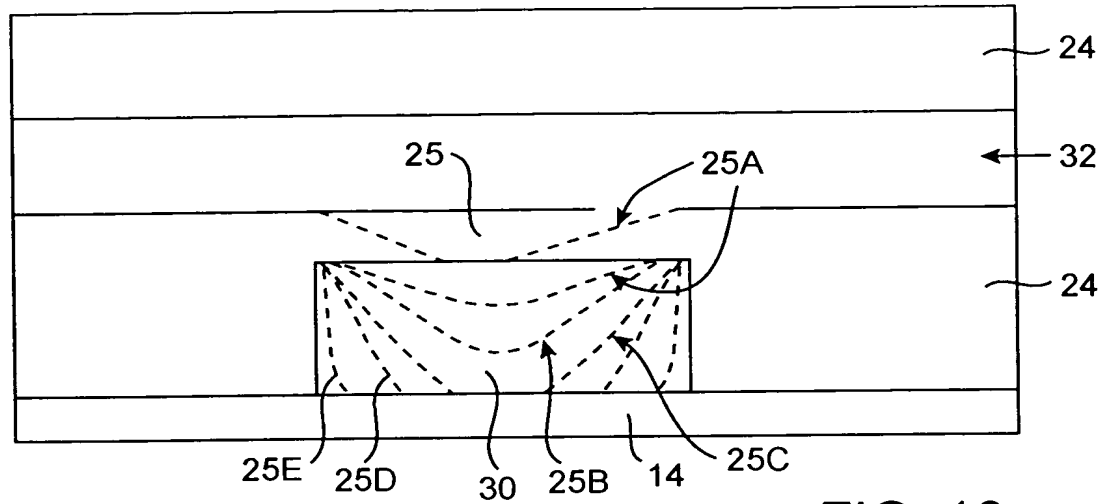


FIG. 10

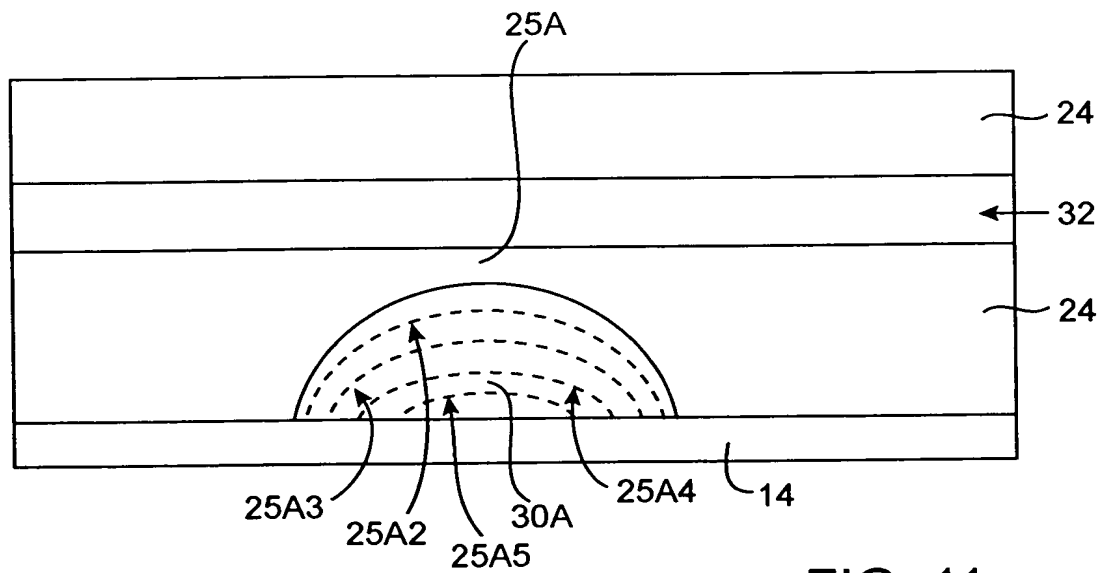


FIG. 11

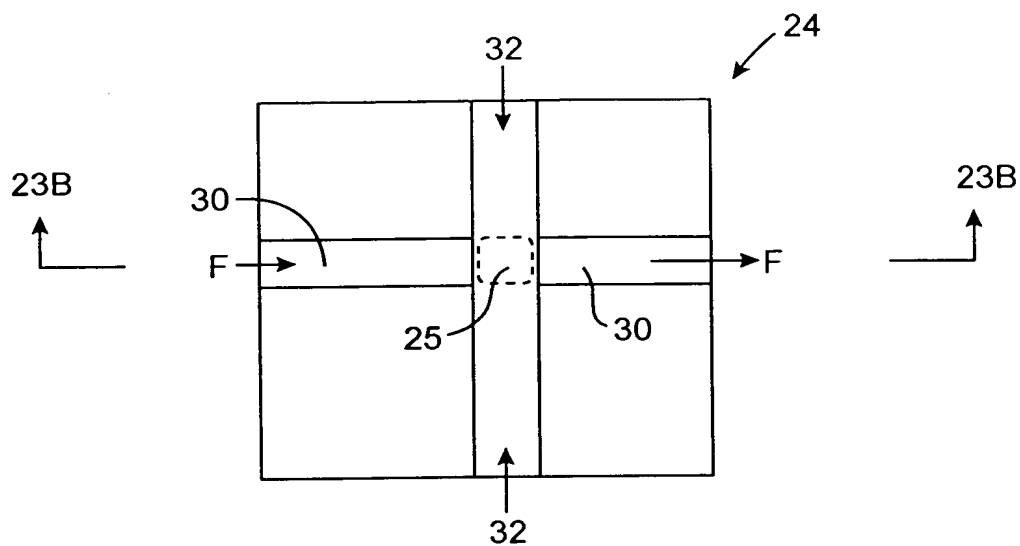


FIG. 12A

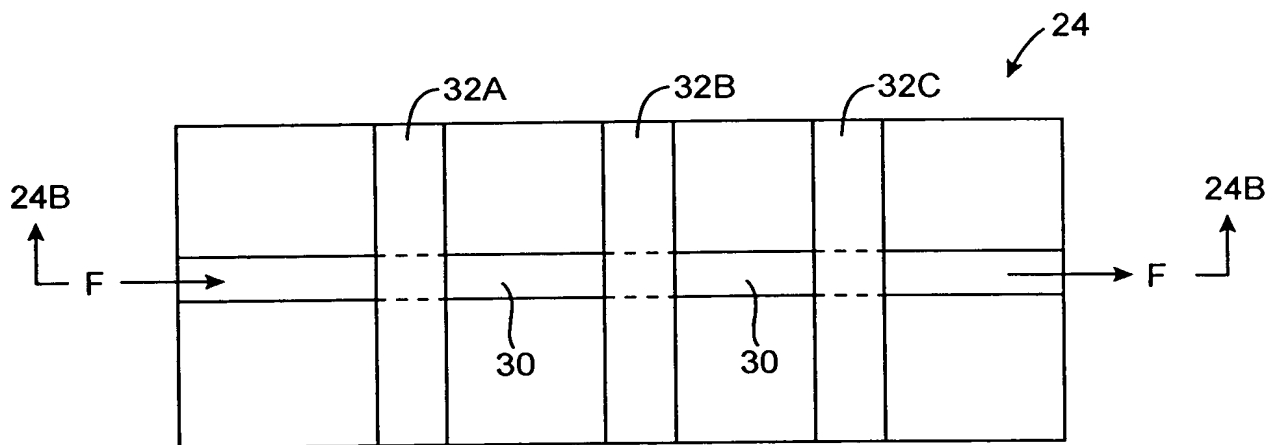


FIG. 13A

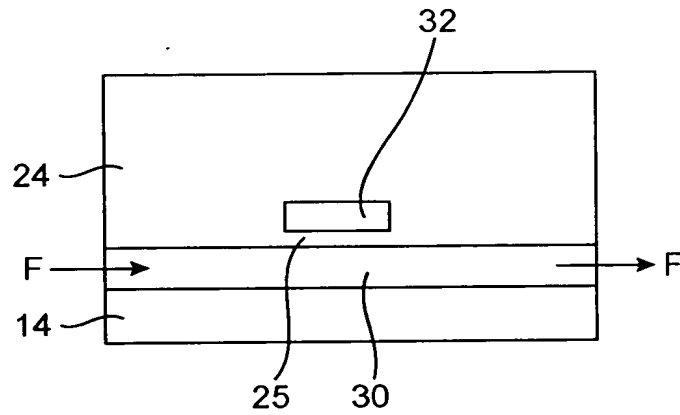


FIG. 12B

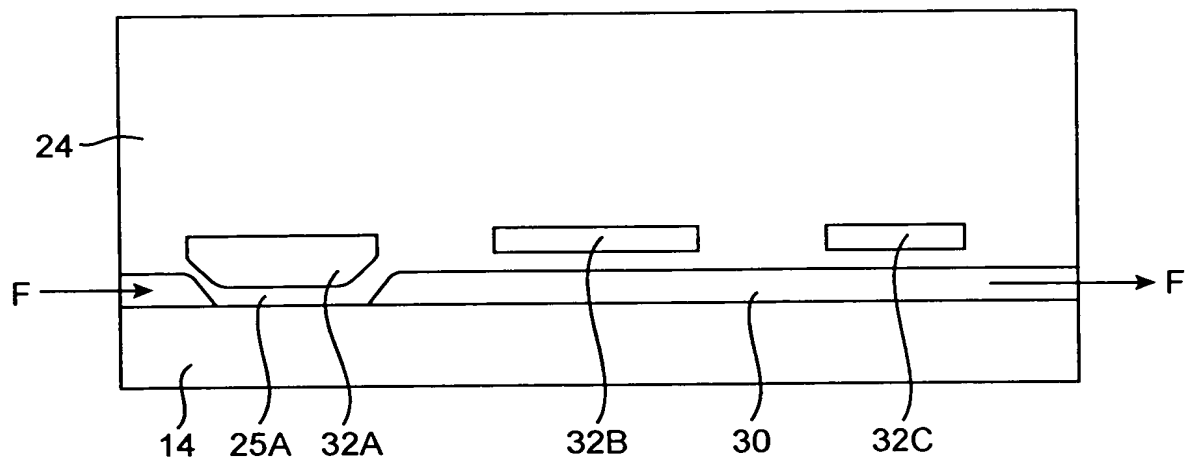


FIG. 13B

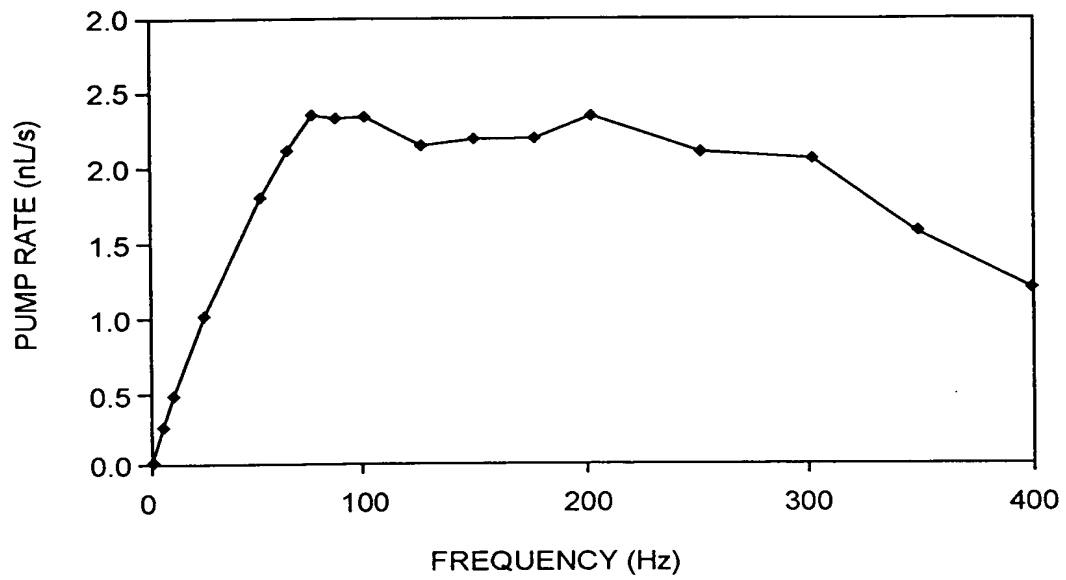


FIG. 14

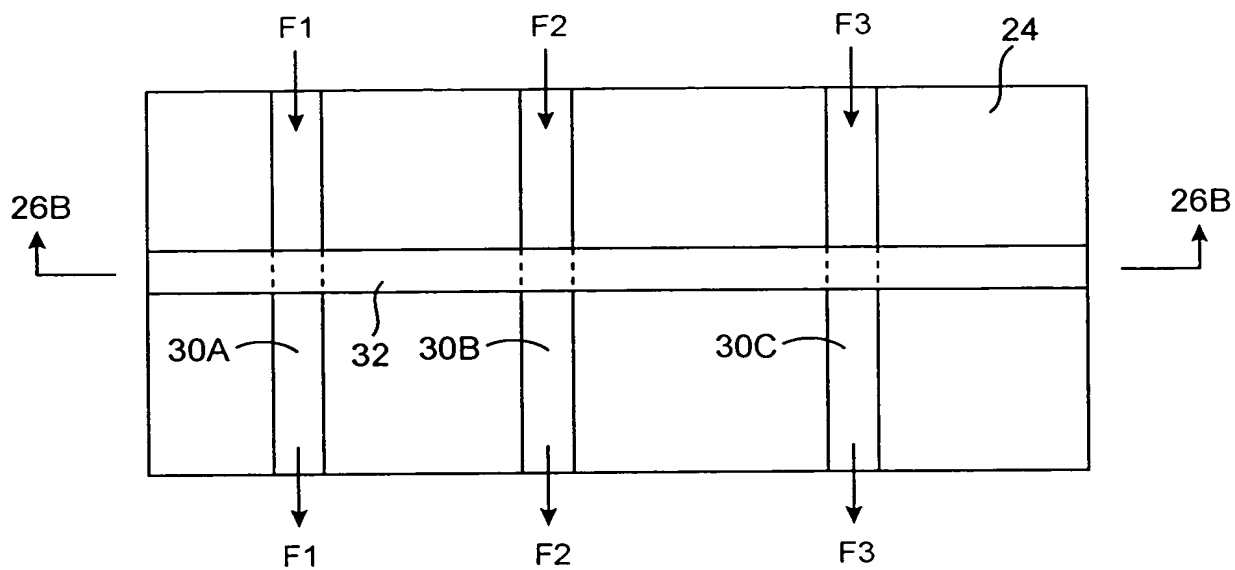


FIG. 15A

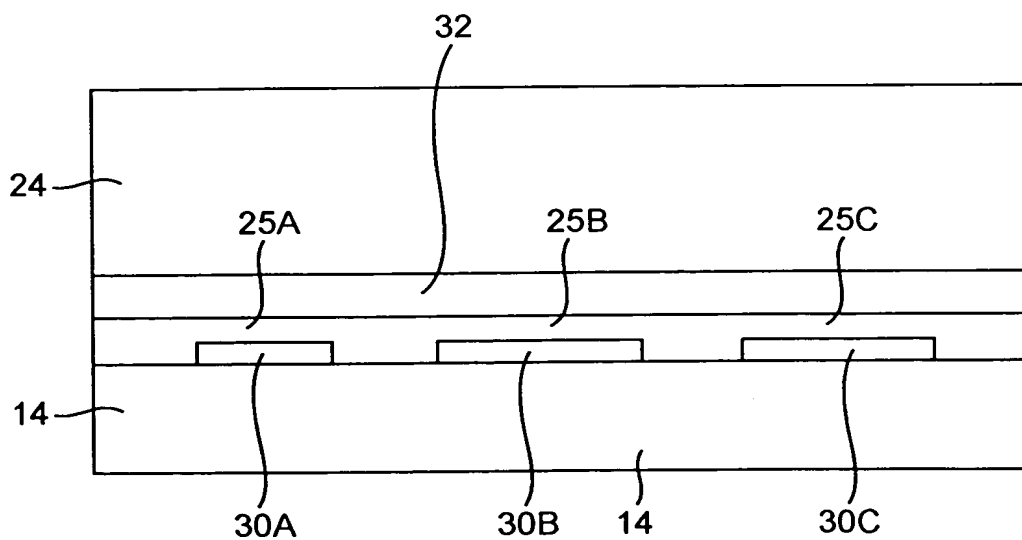


FIG. 15B

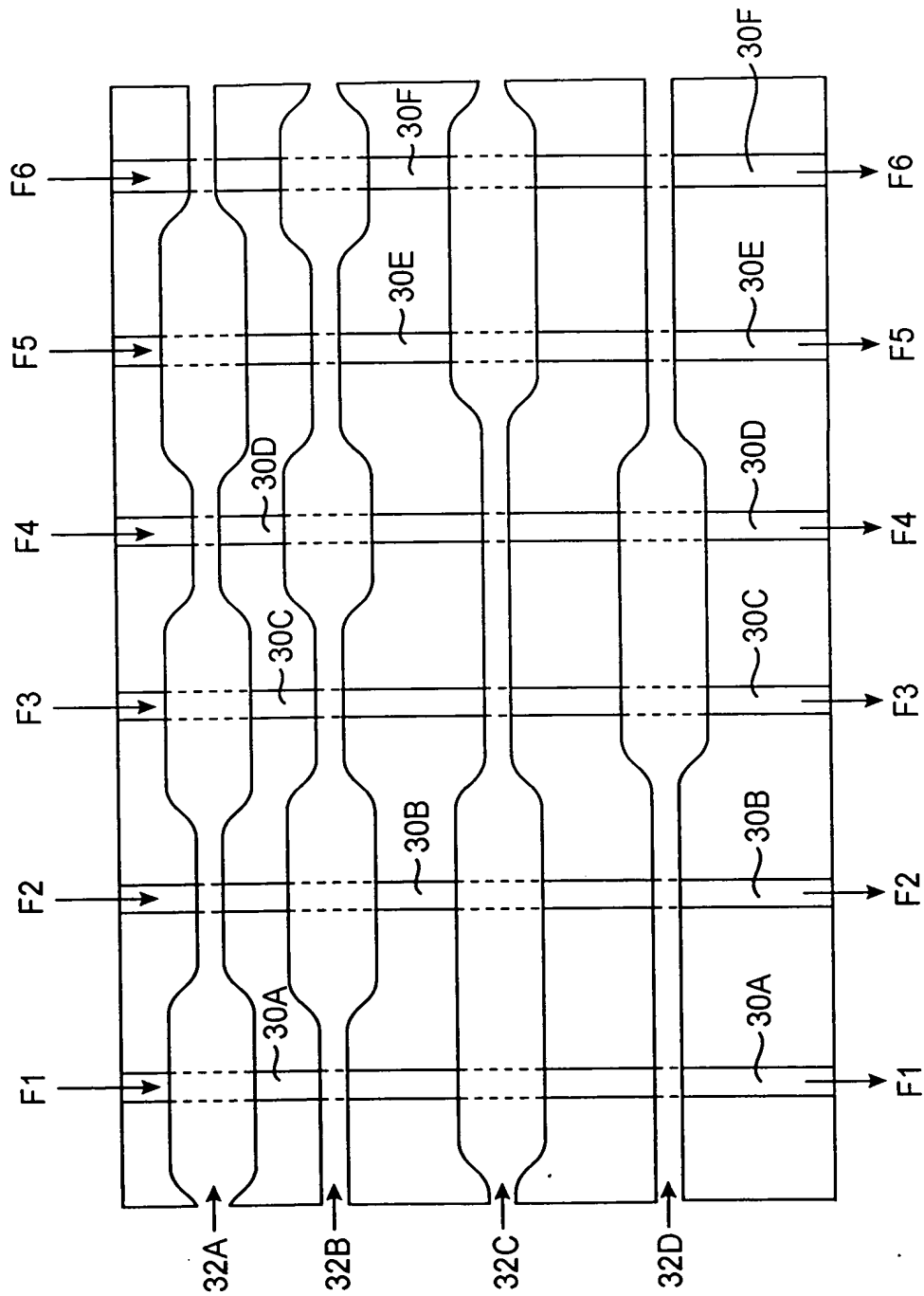


FIG. 16

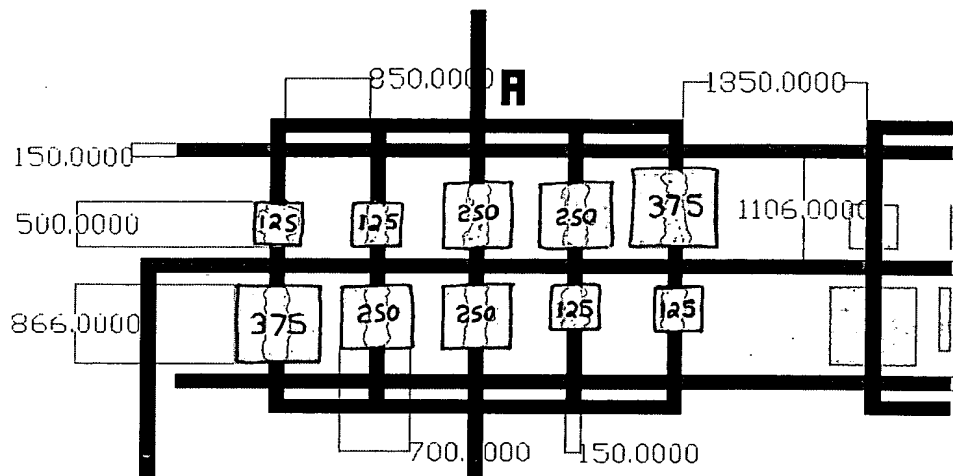


FIGURE 17

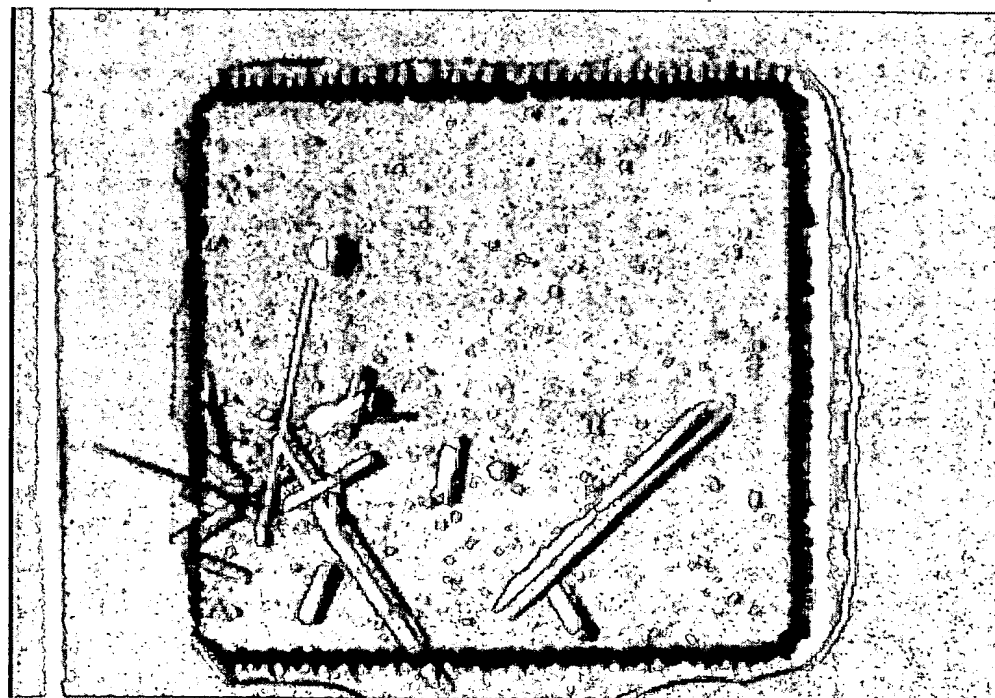


FIGURE 18

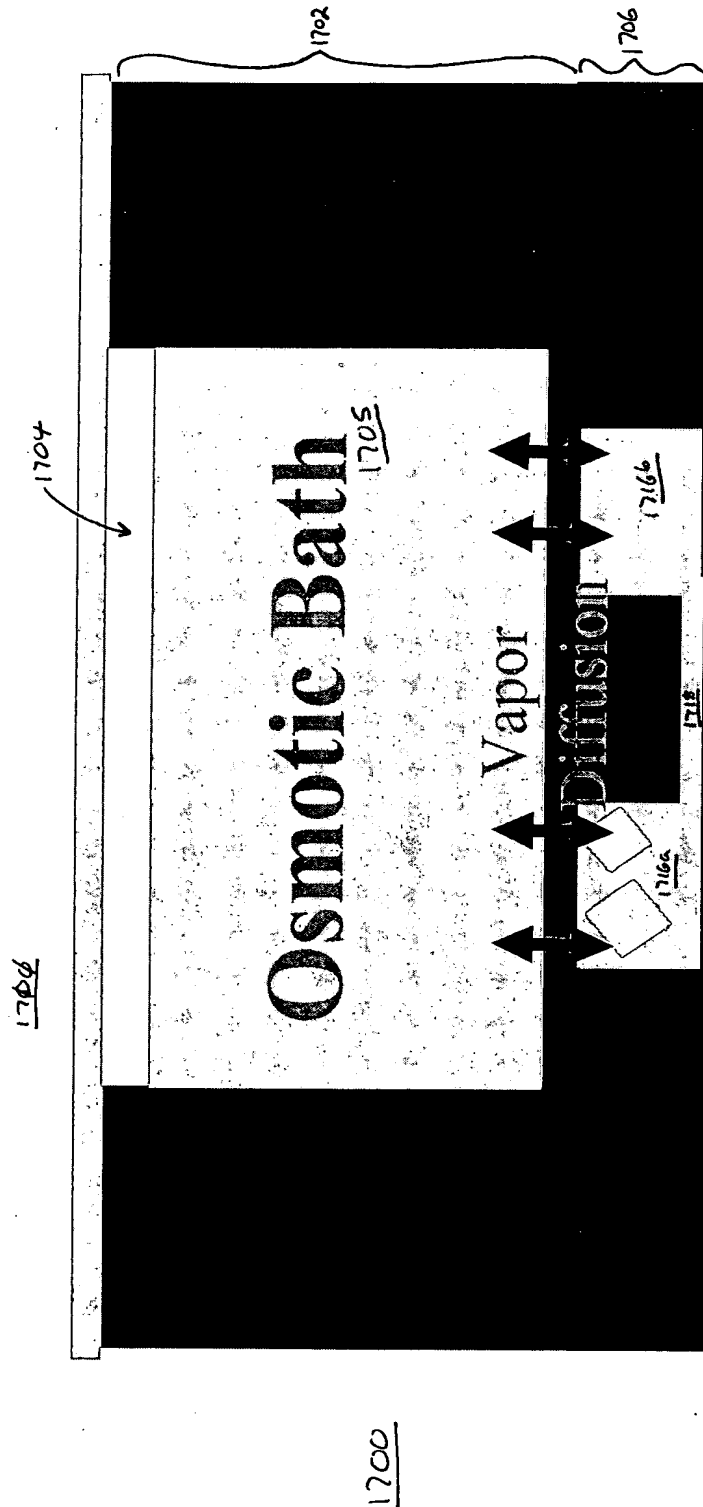


FIGURE 19A

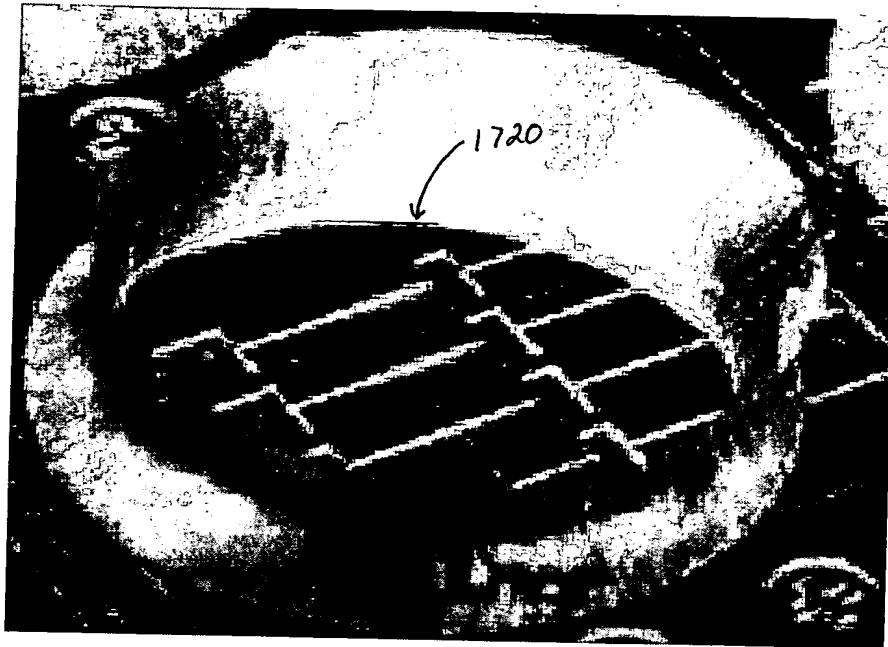


FIGURE 19B

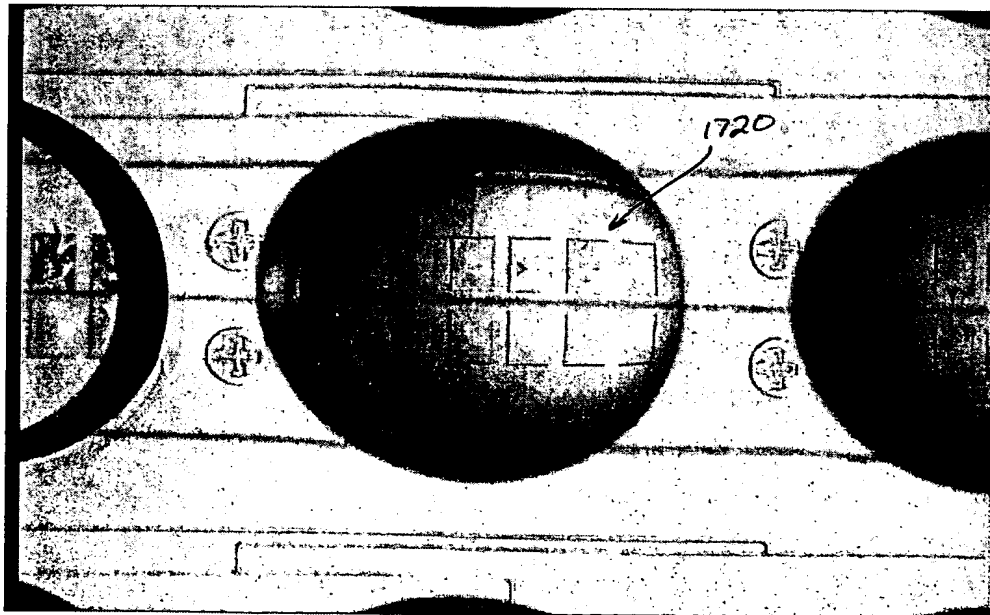


FIGURE 19C

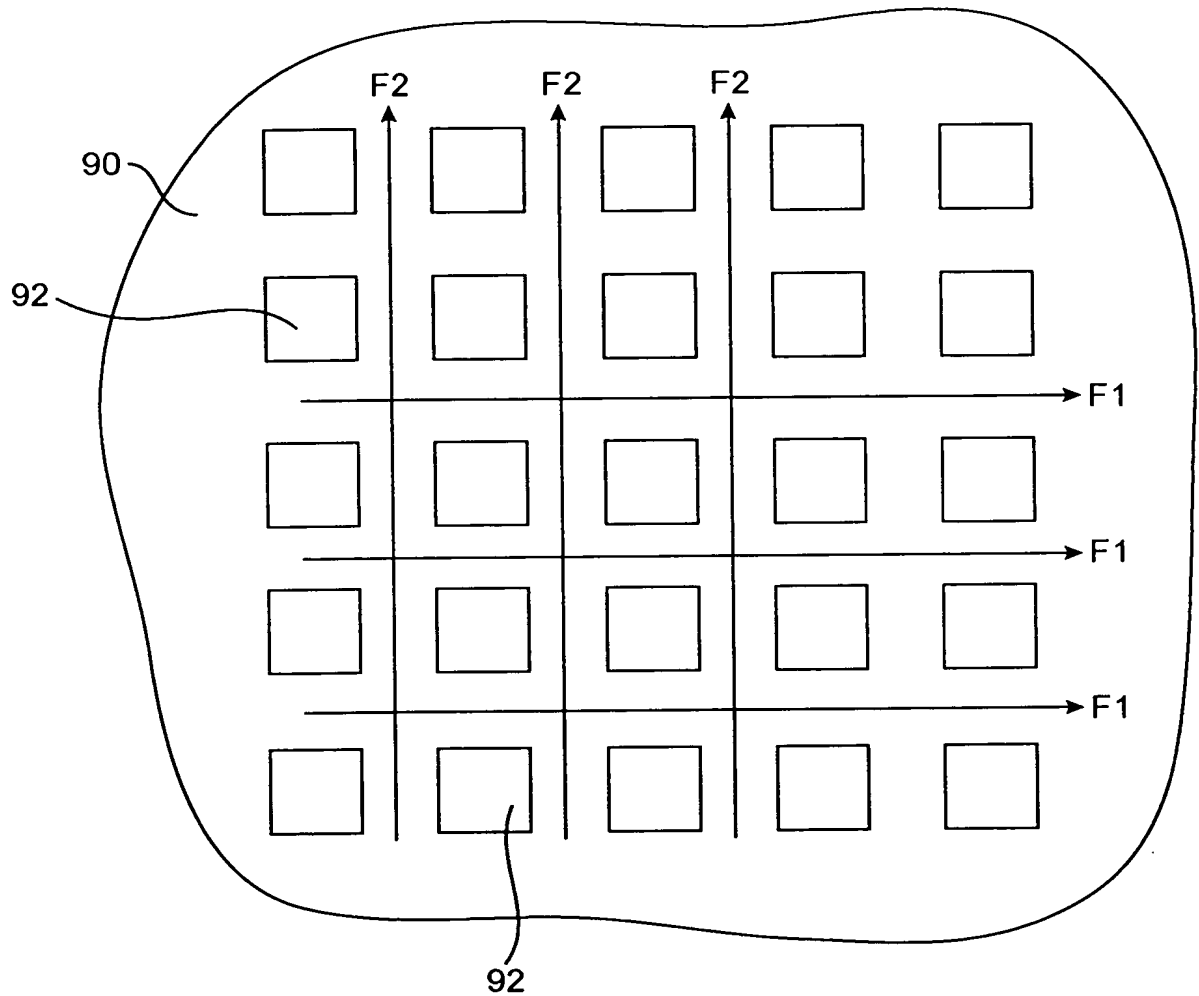


FIG. 20A

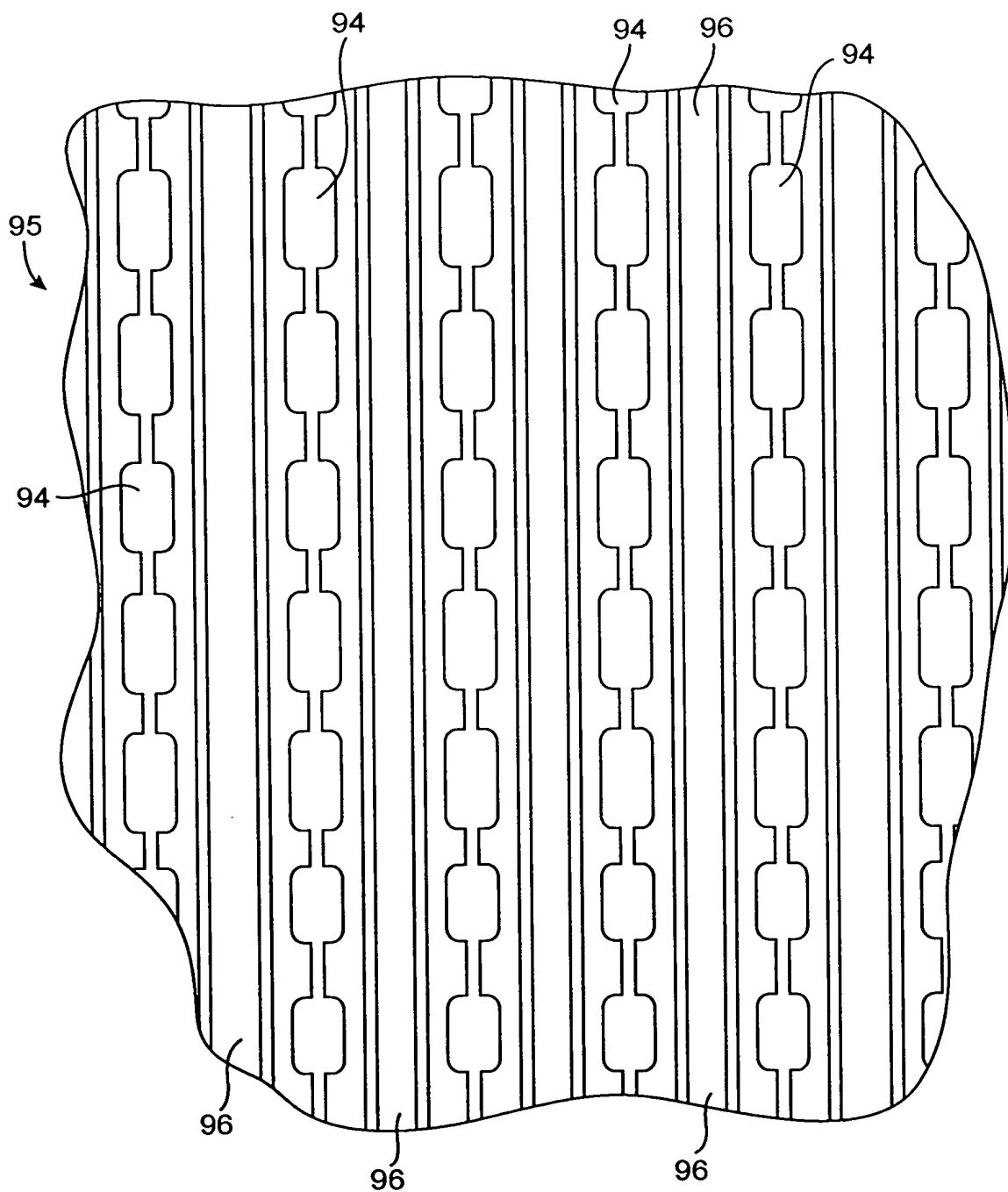


FIG 20B

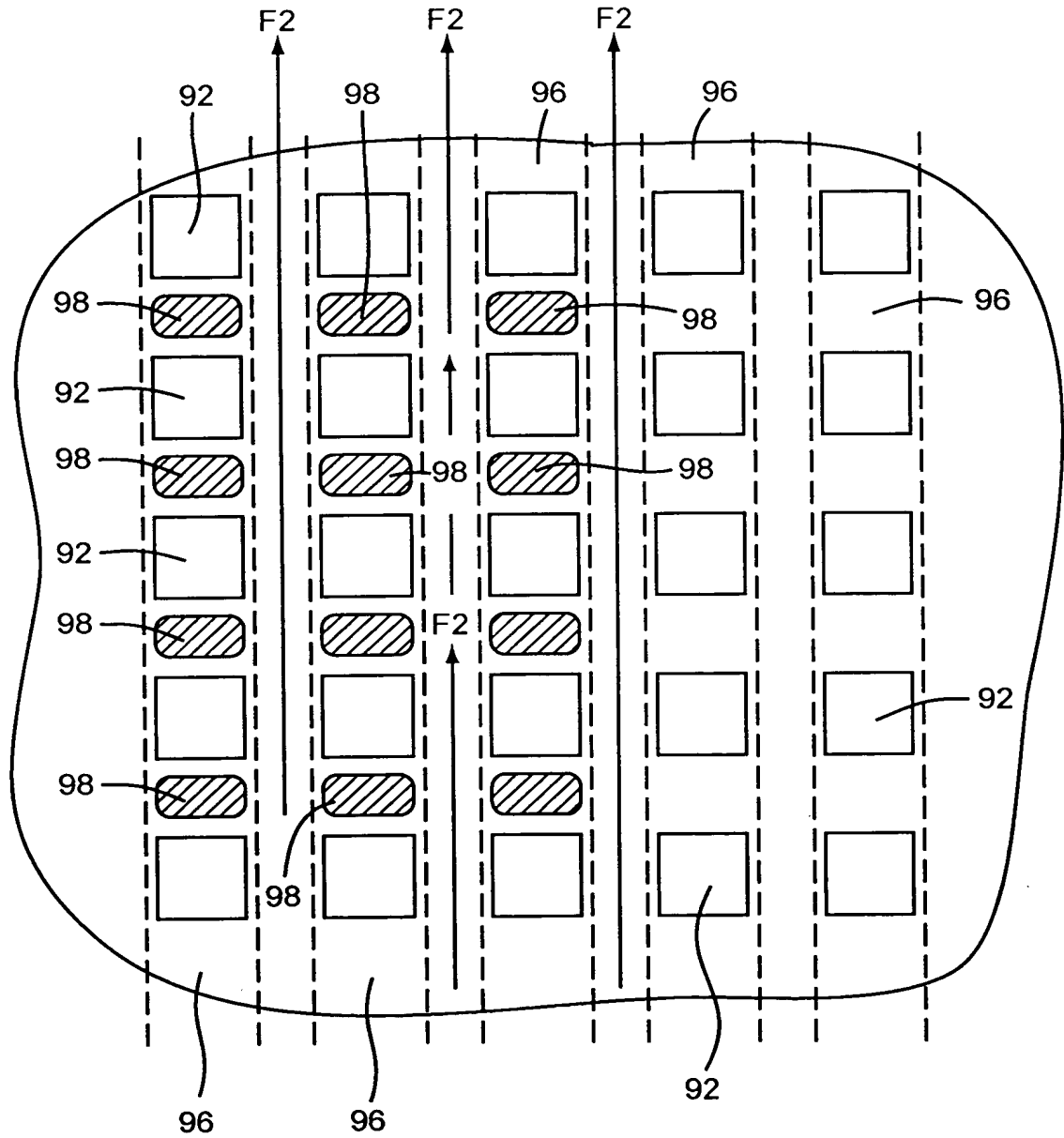


FIG. 20C

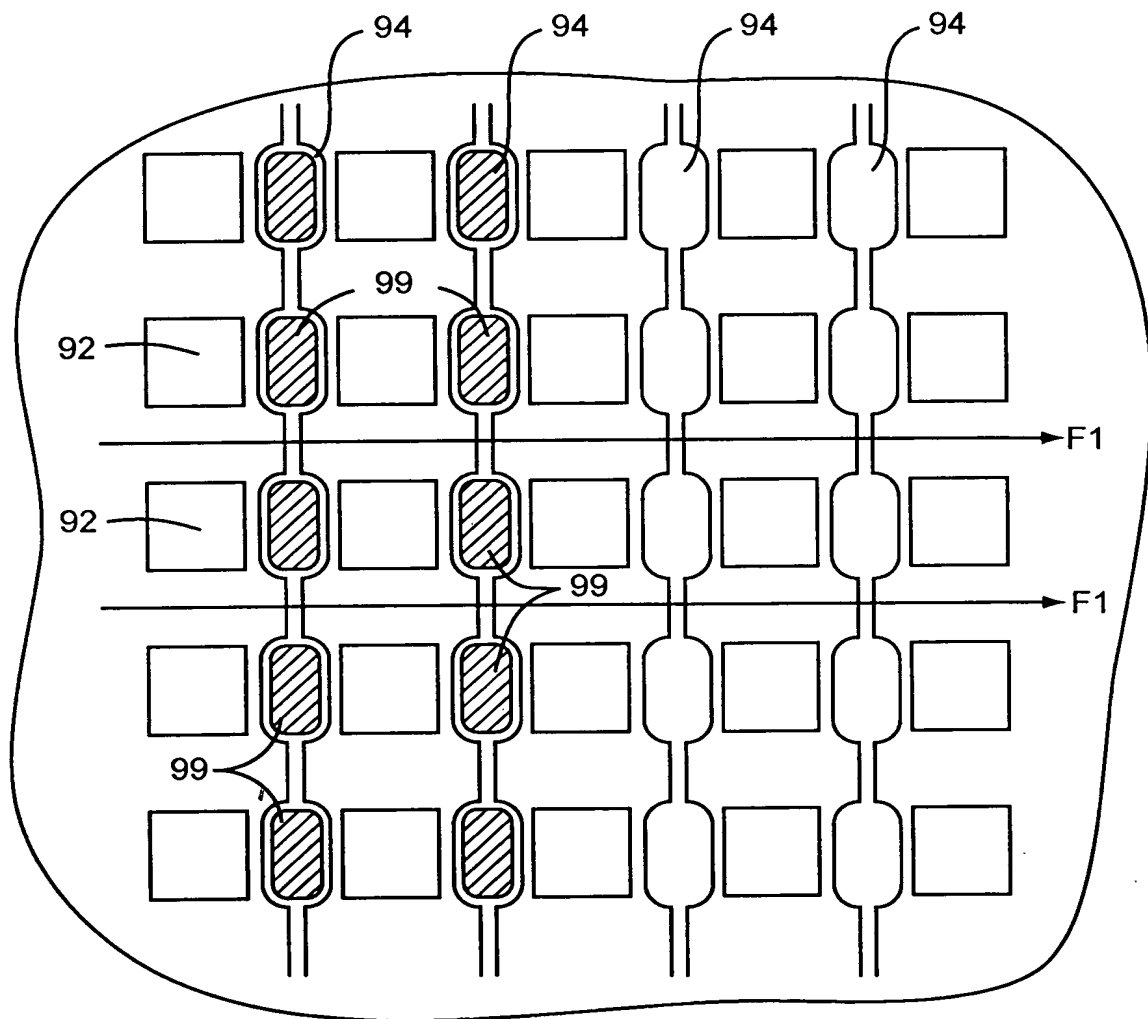


FIG. 20D

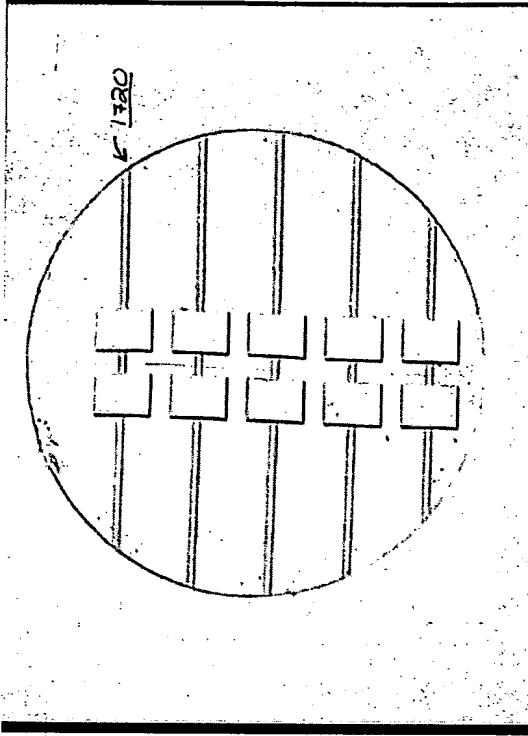


FIGURE 22

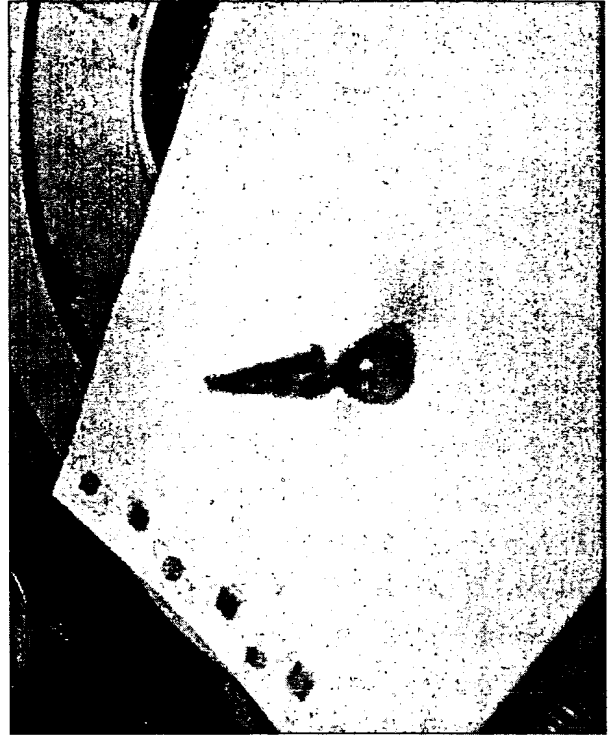


FIGURE 23

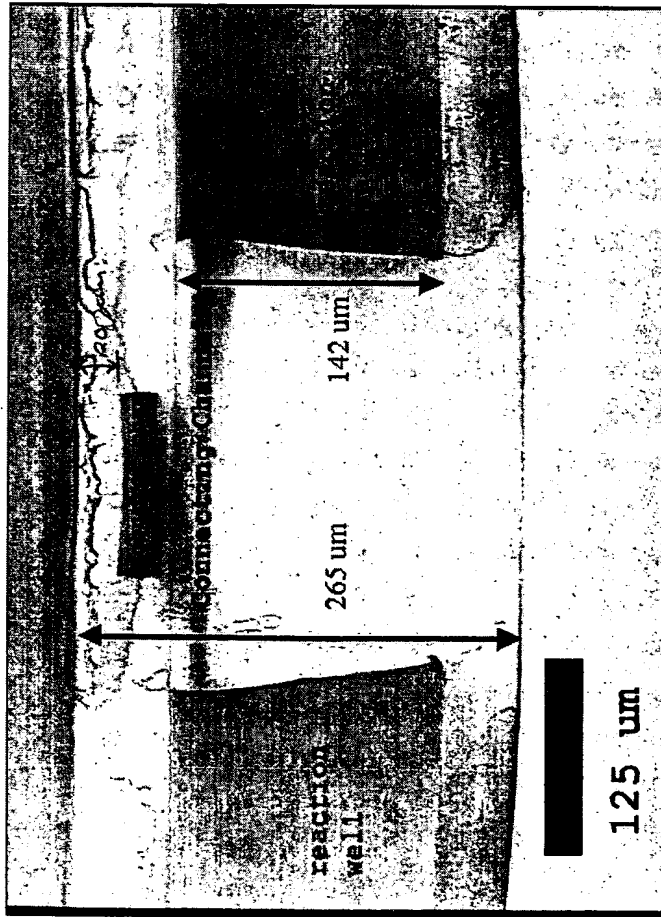


FIGURE 21

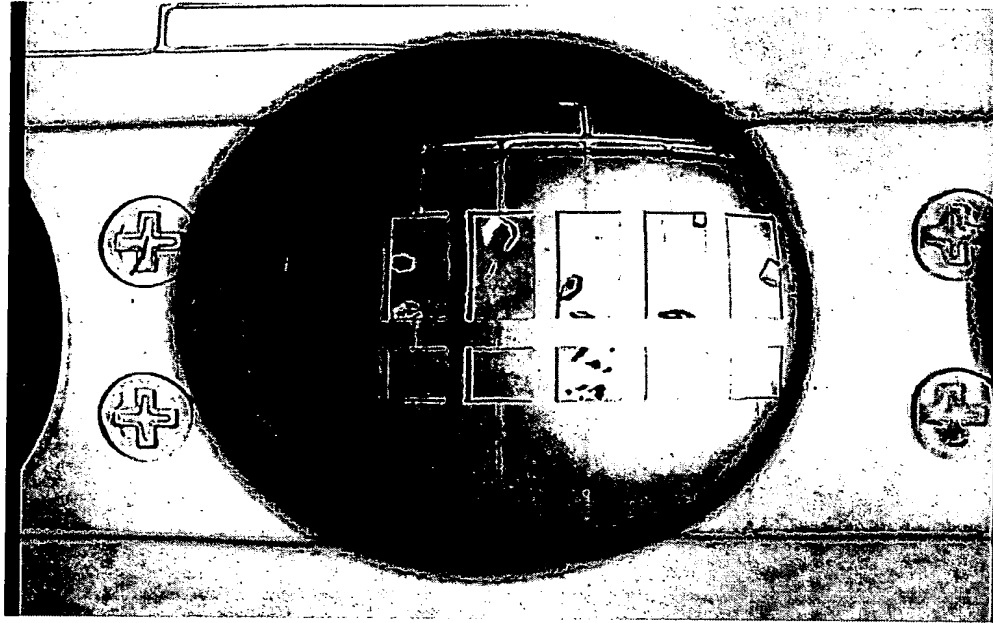


FIGURE 24

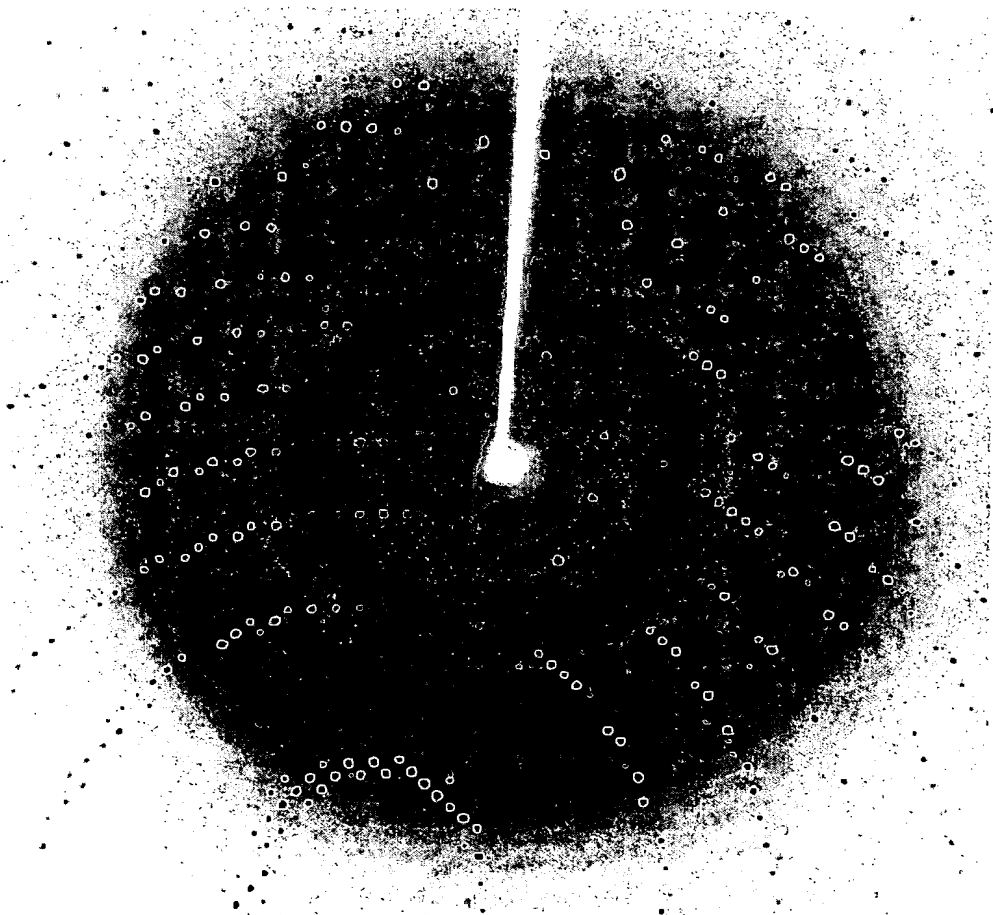


FIGURE 25

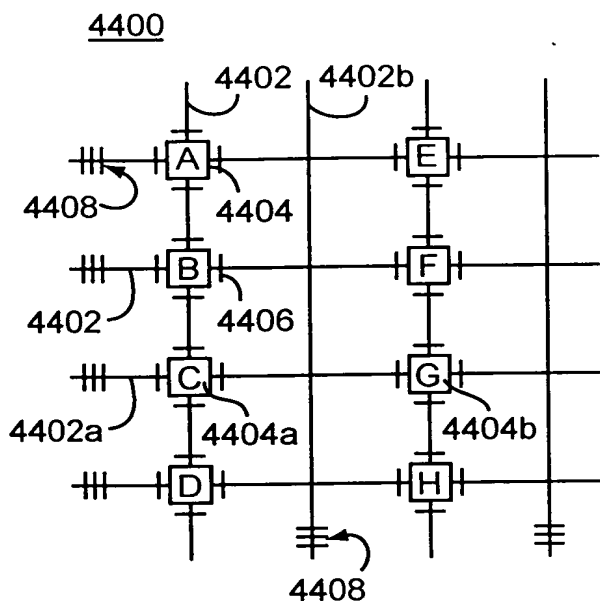


FIG. 26A

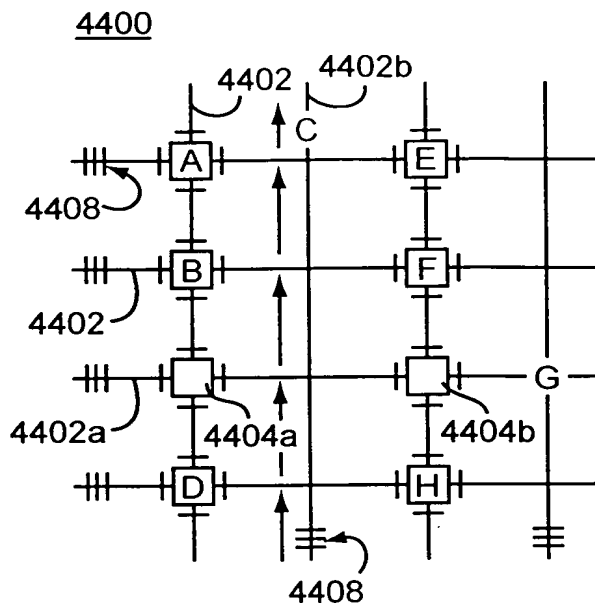


FIG. 26C

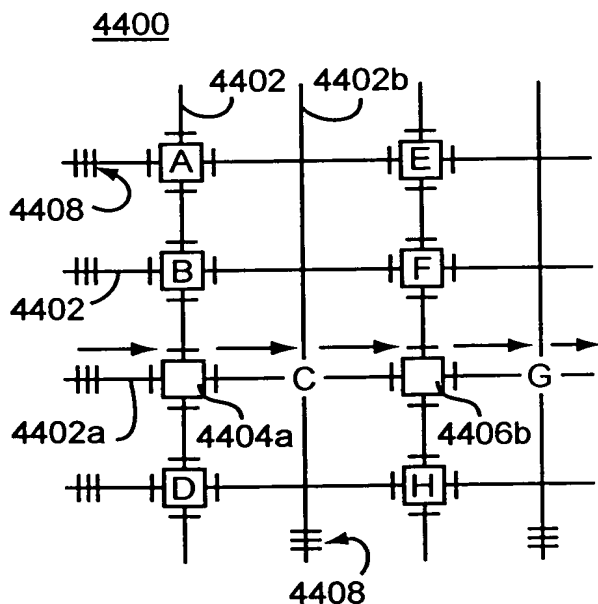


FIG. 26B

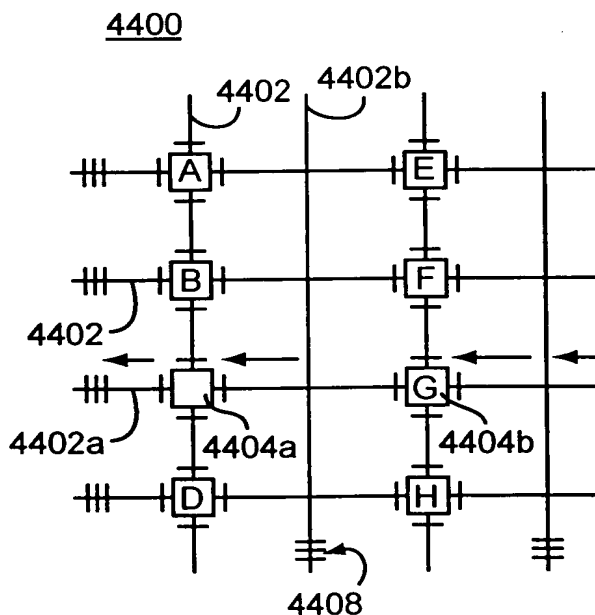


FIG. 26D

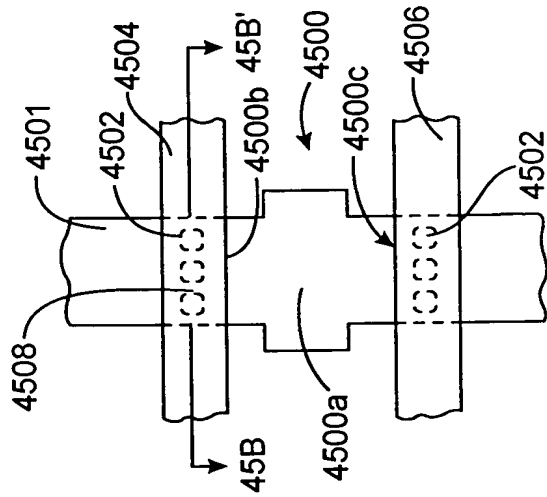


FIG. 27A

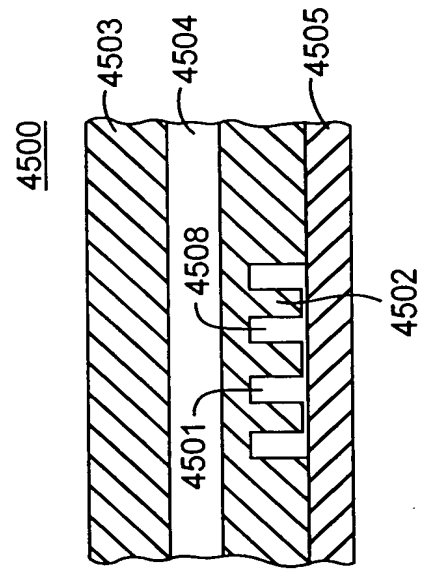


FIG. 27B

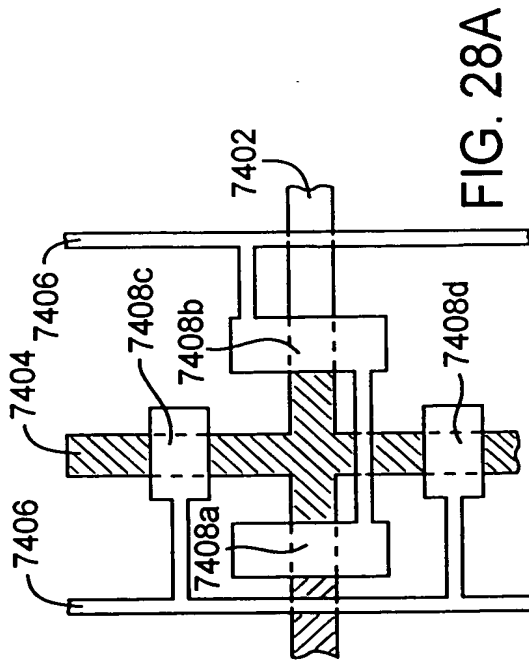


FIG. 28A

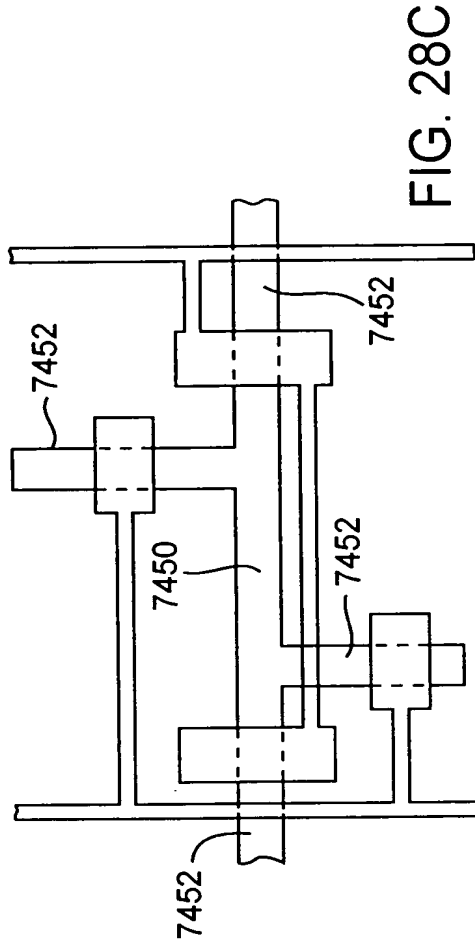


FIG. 28C

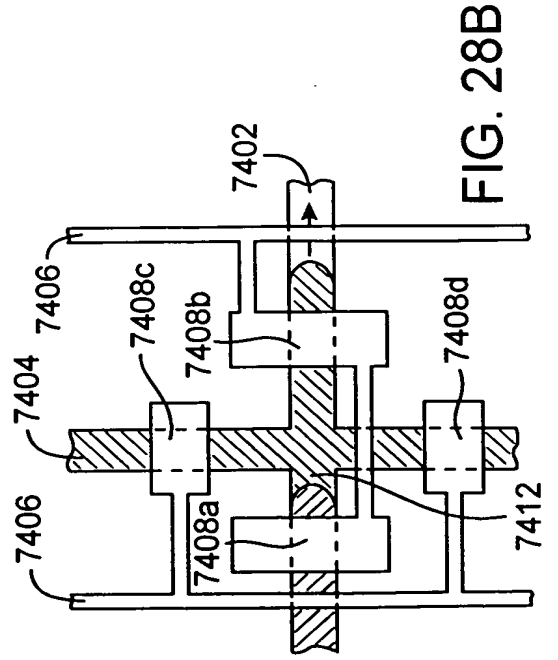


FIG. 28B

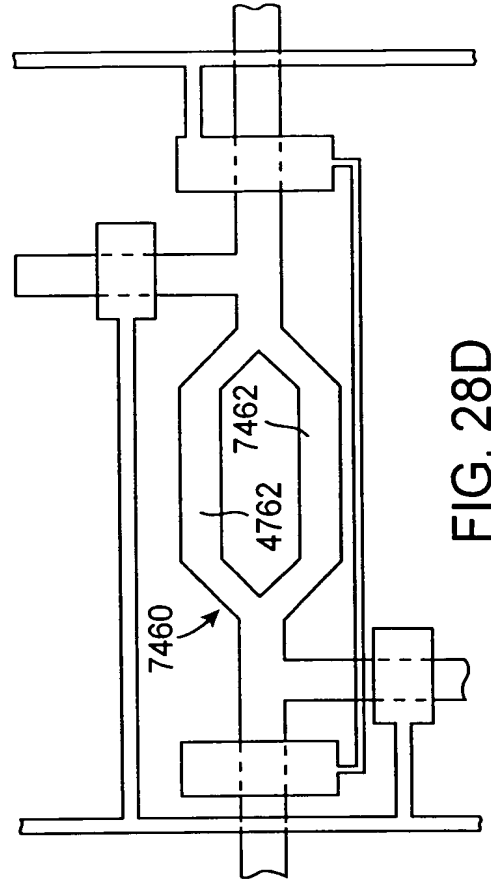


FIG. 28D

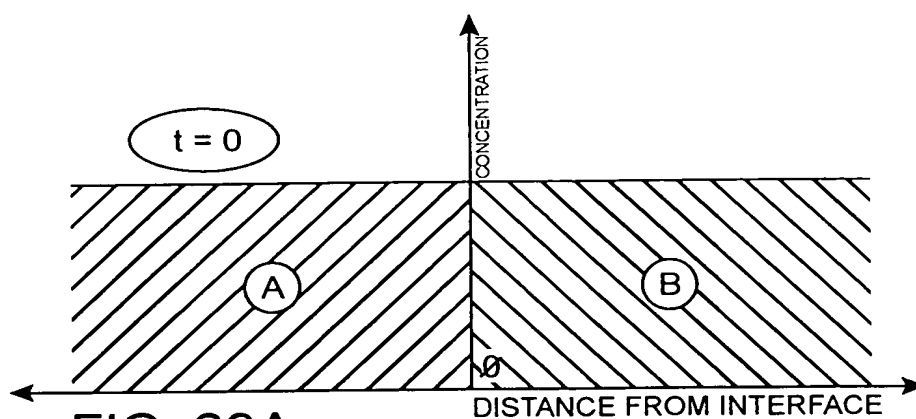


FIG. 29A

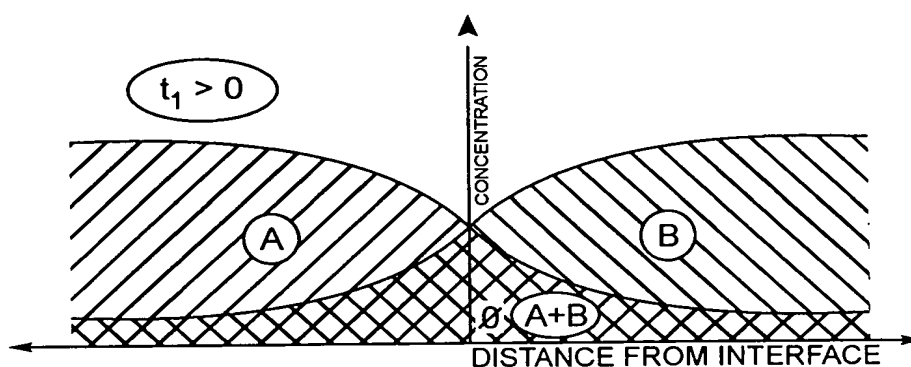


FIG. 29B

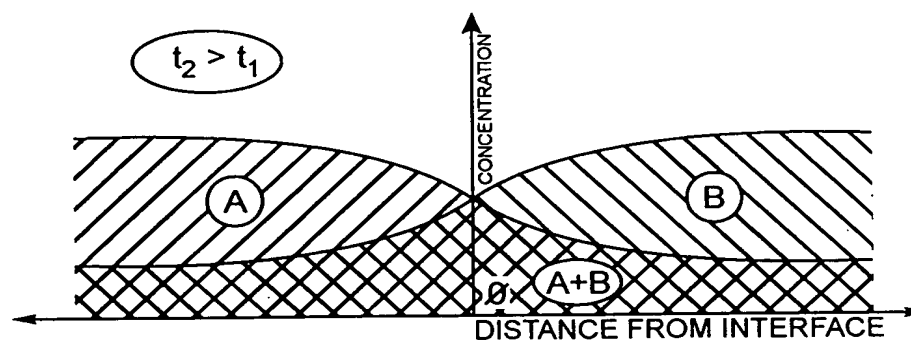


FIG. 29C

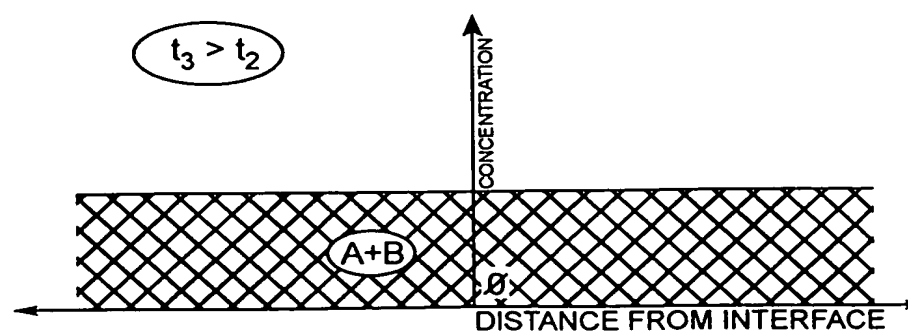


FIG. 29D

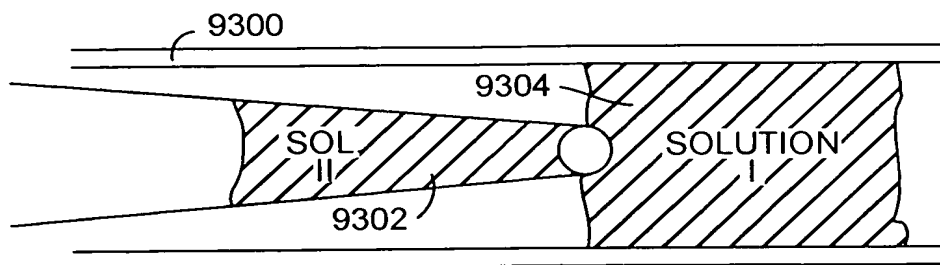


FIG. 30A
(Prior Art)

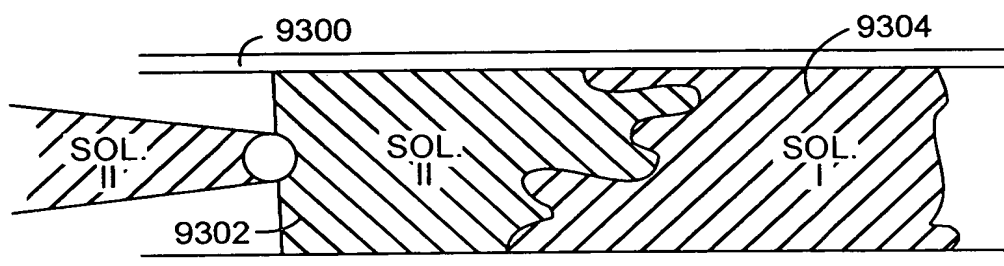


FIG. 30B
(Prior Art)

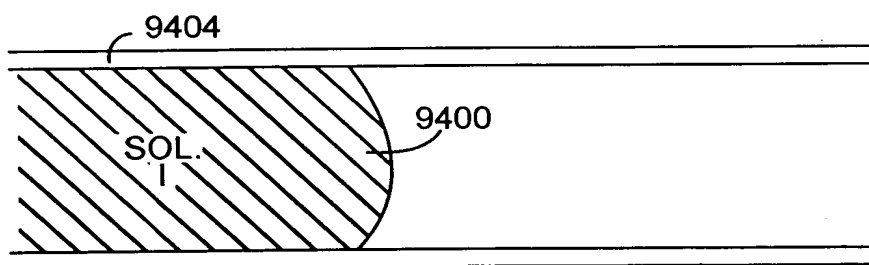


FIG. 31A
(Prior Art)

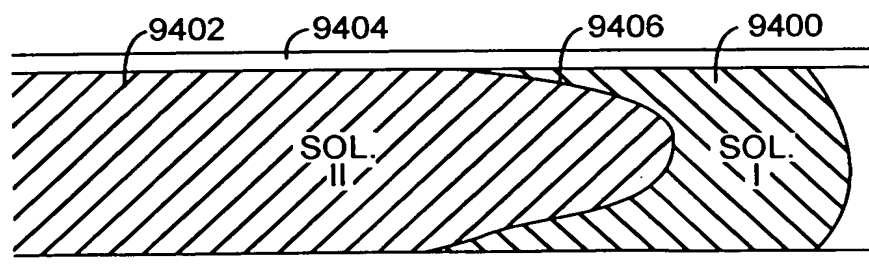


FIG. 31B
(Prior Art)

$t=0 ; e_I > e_{II}$

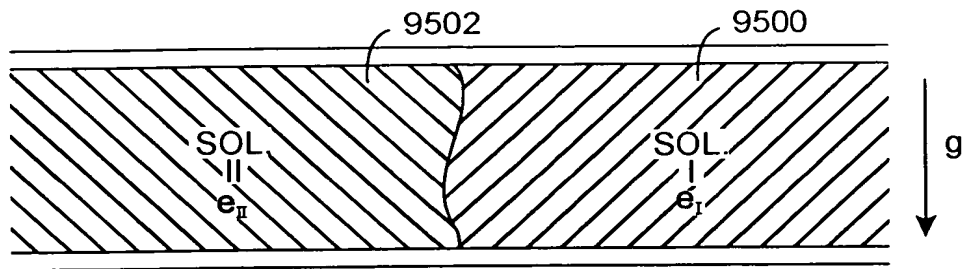


FIG. 32A
 (Prior Art)

$t_1 > 0$

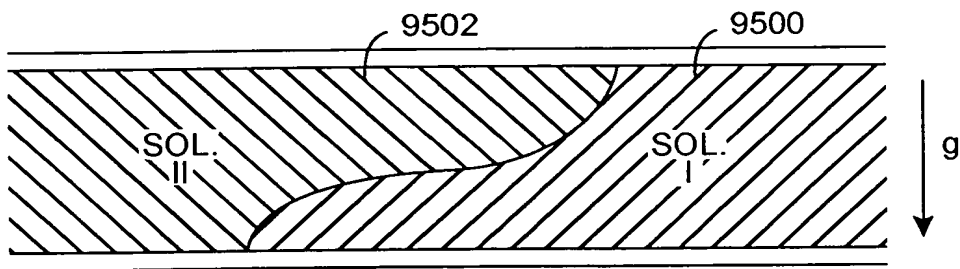


FIG. 32B
 (Prior Art)

$t_2 > t_1$

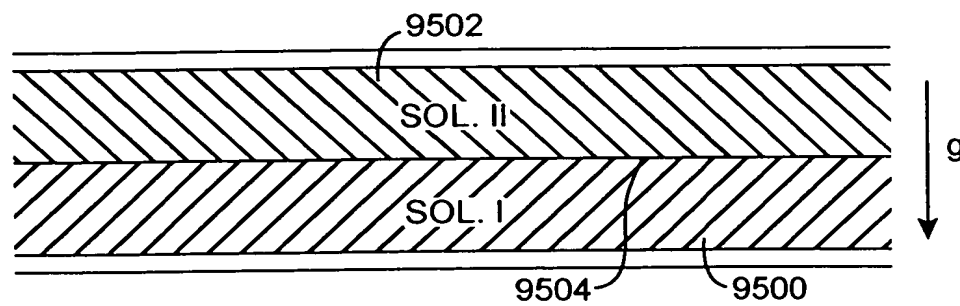


FIG. 32C
 (Prior Art)

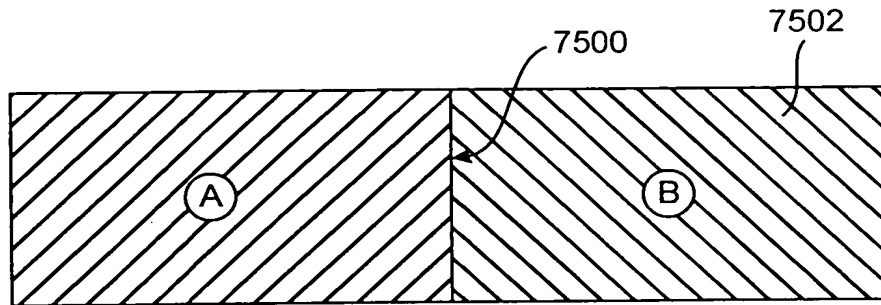


FIG. 33A

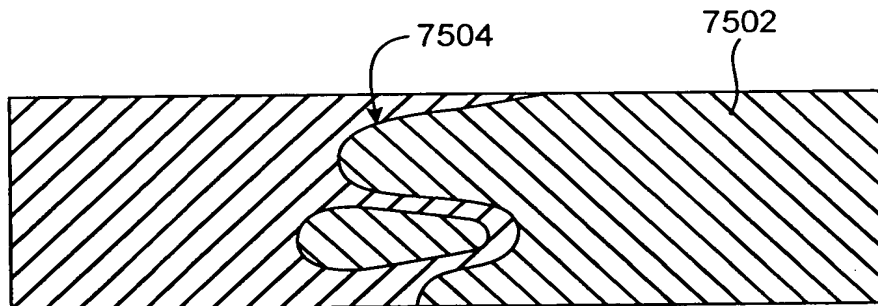
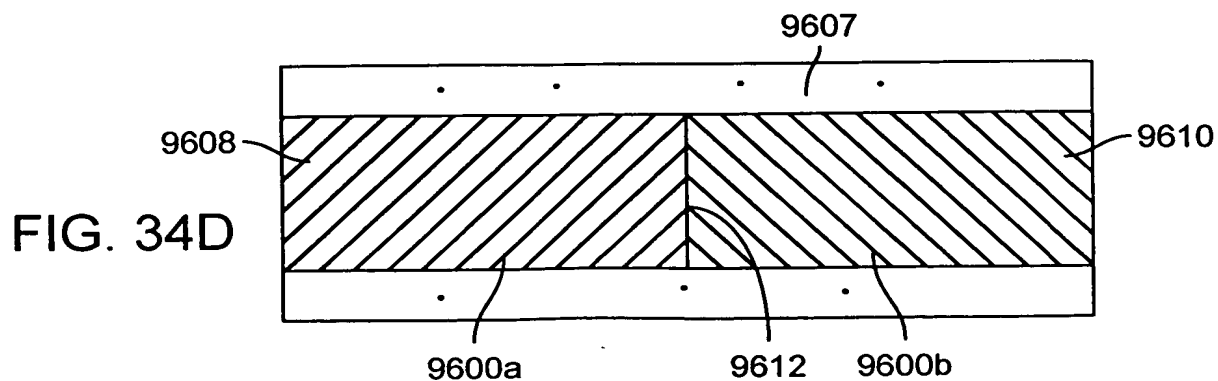
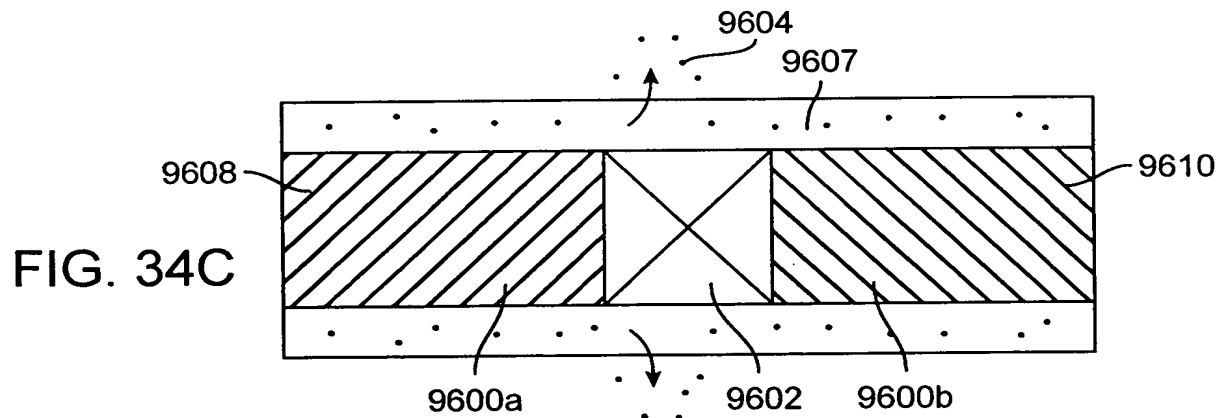
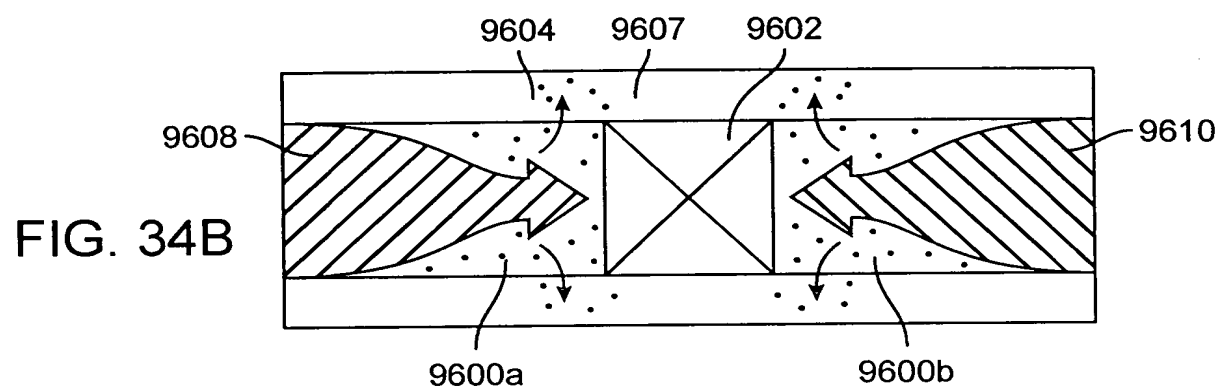
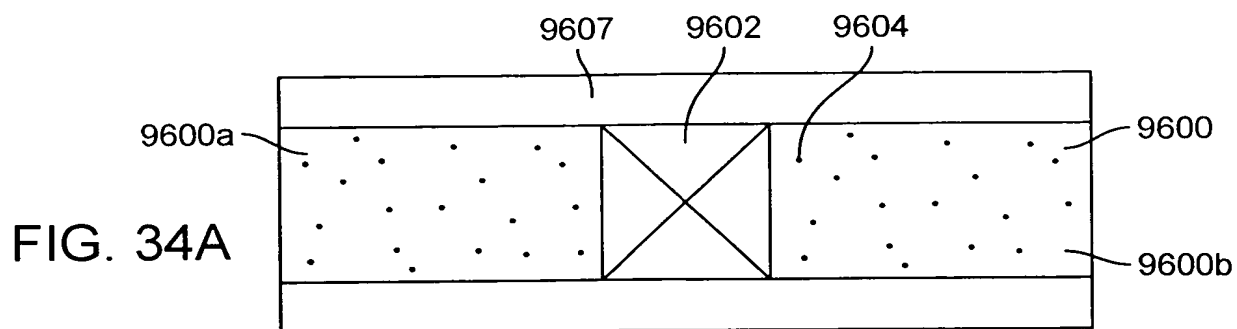


FIG. 33B
(PRIOR ART)



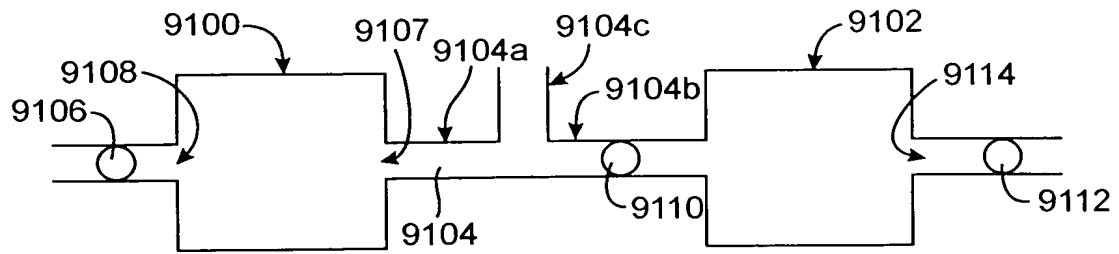


FIG. 35A

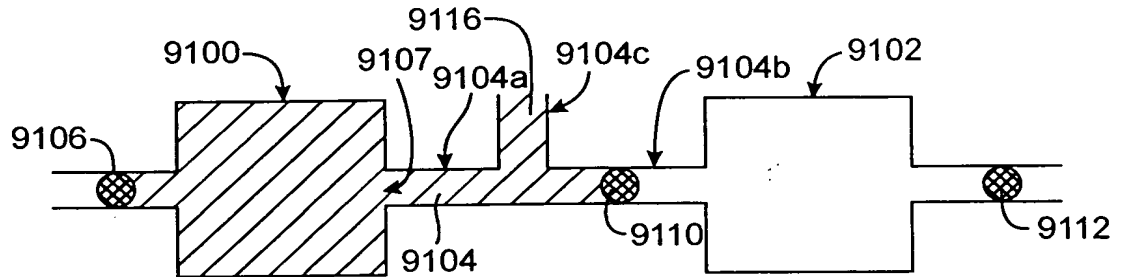


FIG. 35B

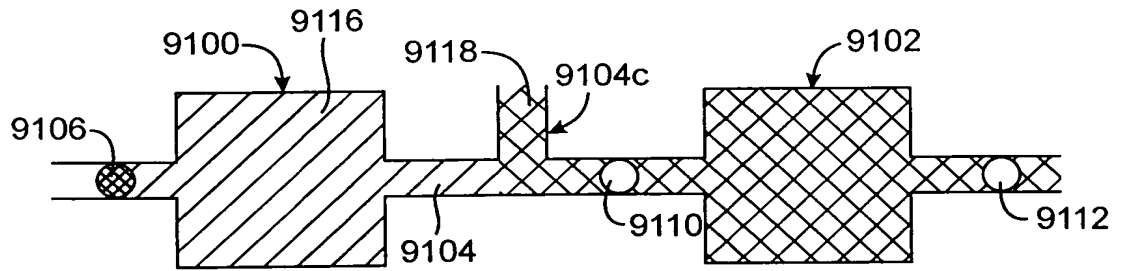


FIG. 35C

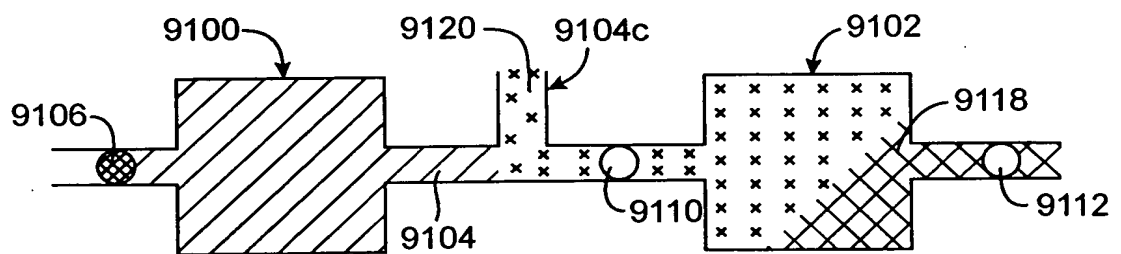


FIG. 35D

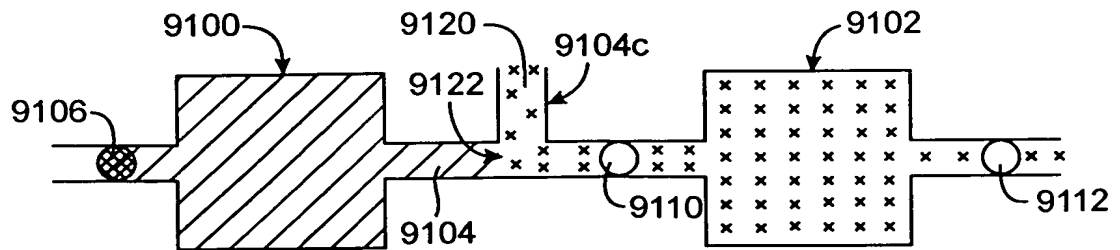


FIG. 35E

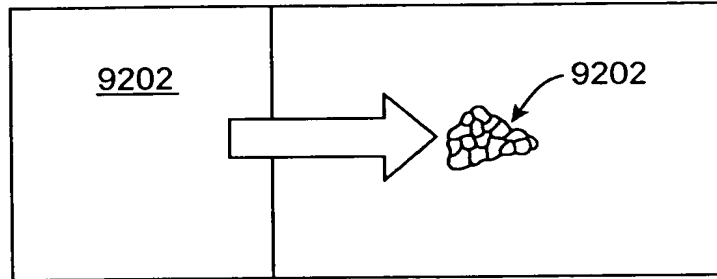


FIG. 36A
(Prior Art)

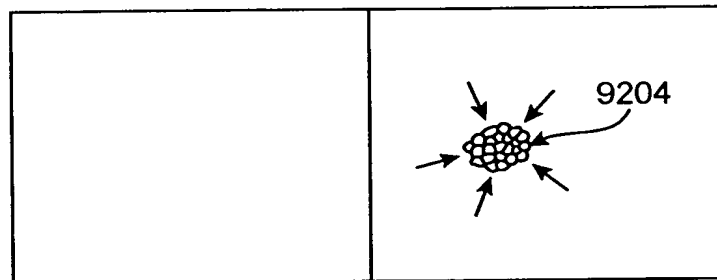


FIG. 36B

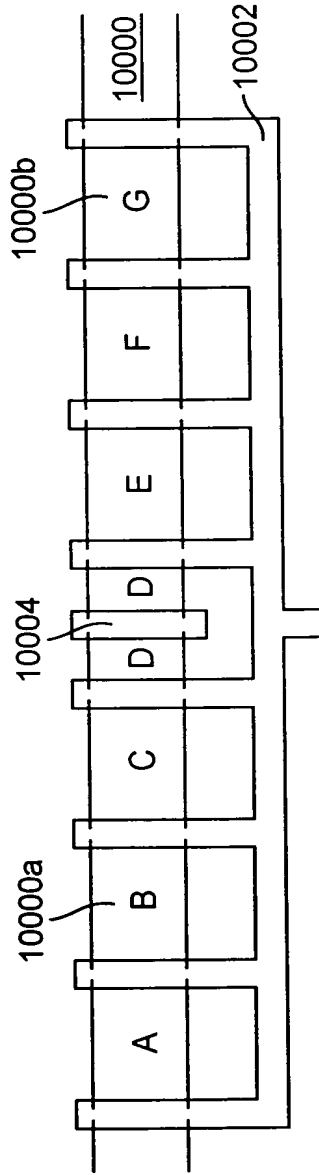


FIG. 37A

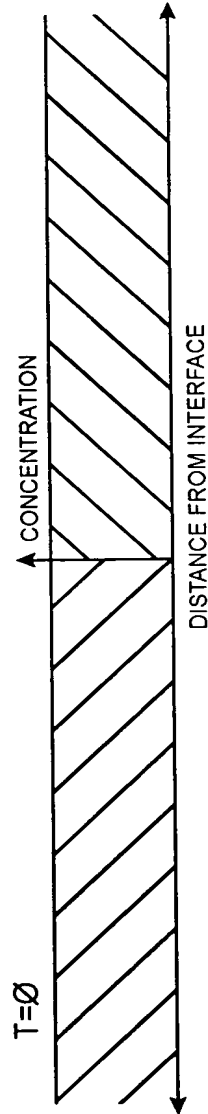


FIG. 37B

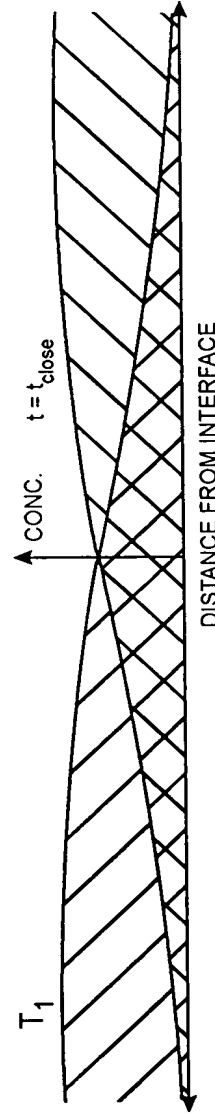


FIG. 37C

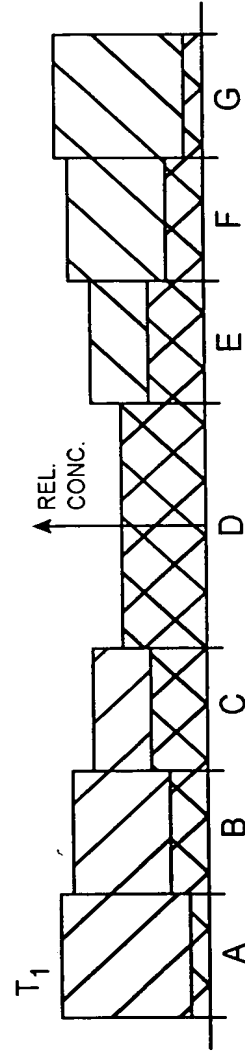


FIG. 37D

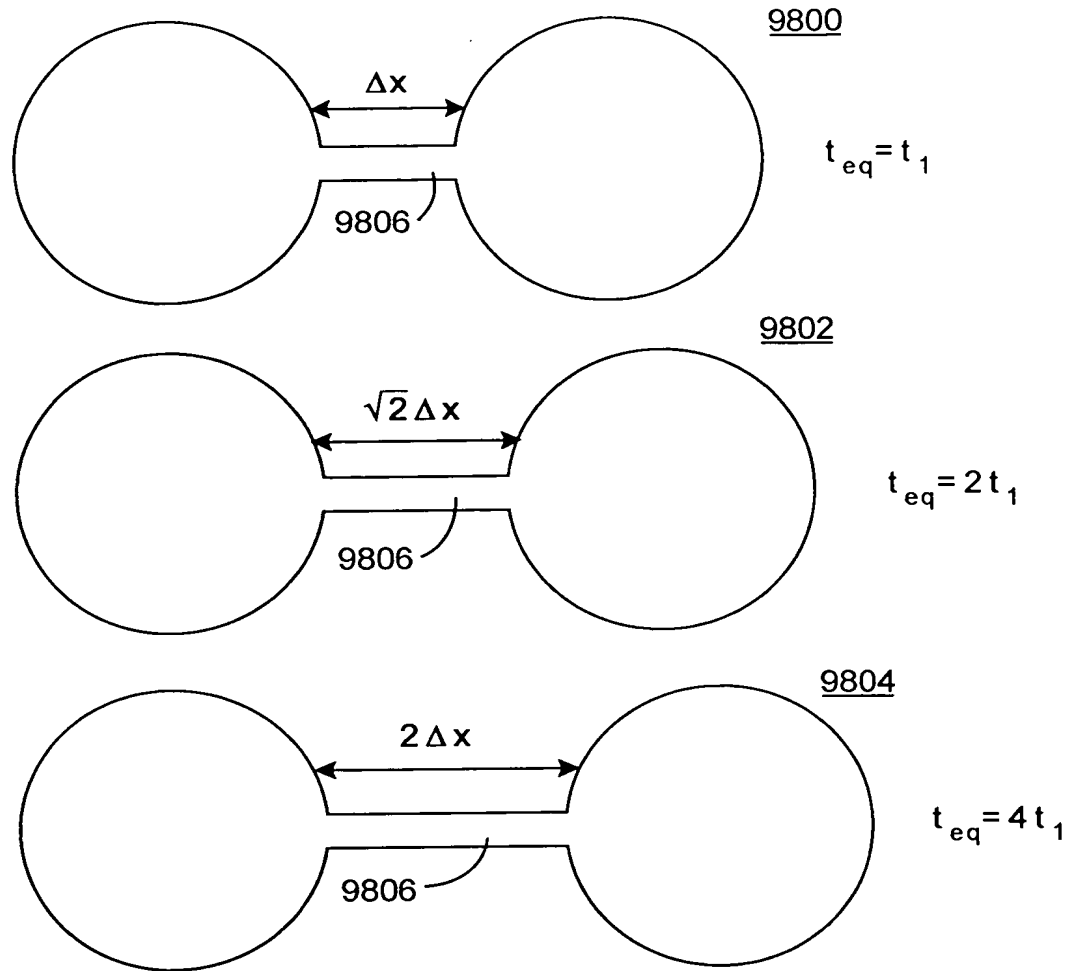


FIG. 38A

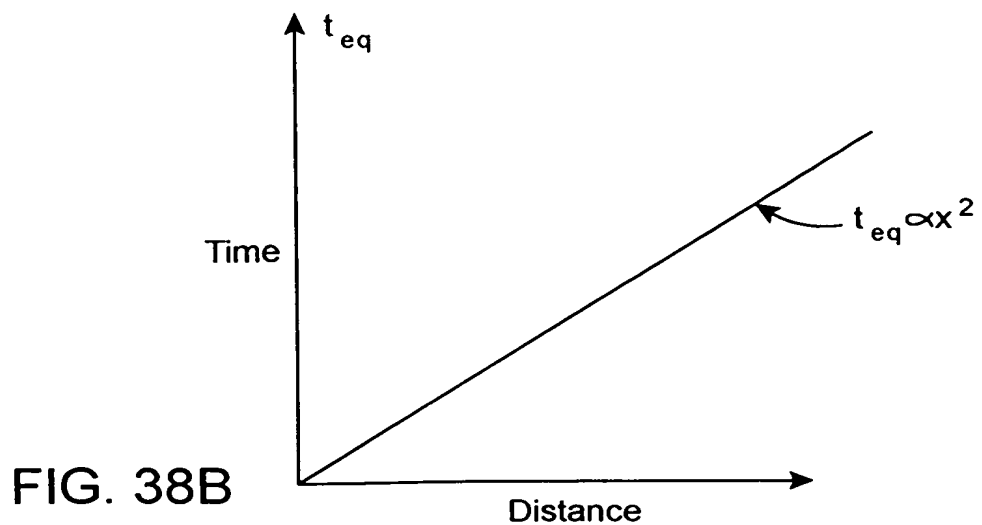


FIG. 38B

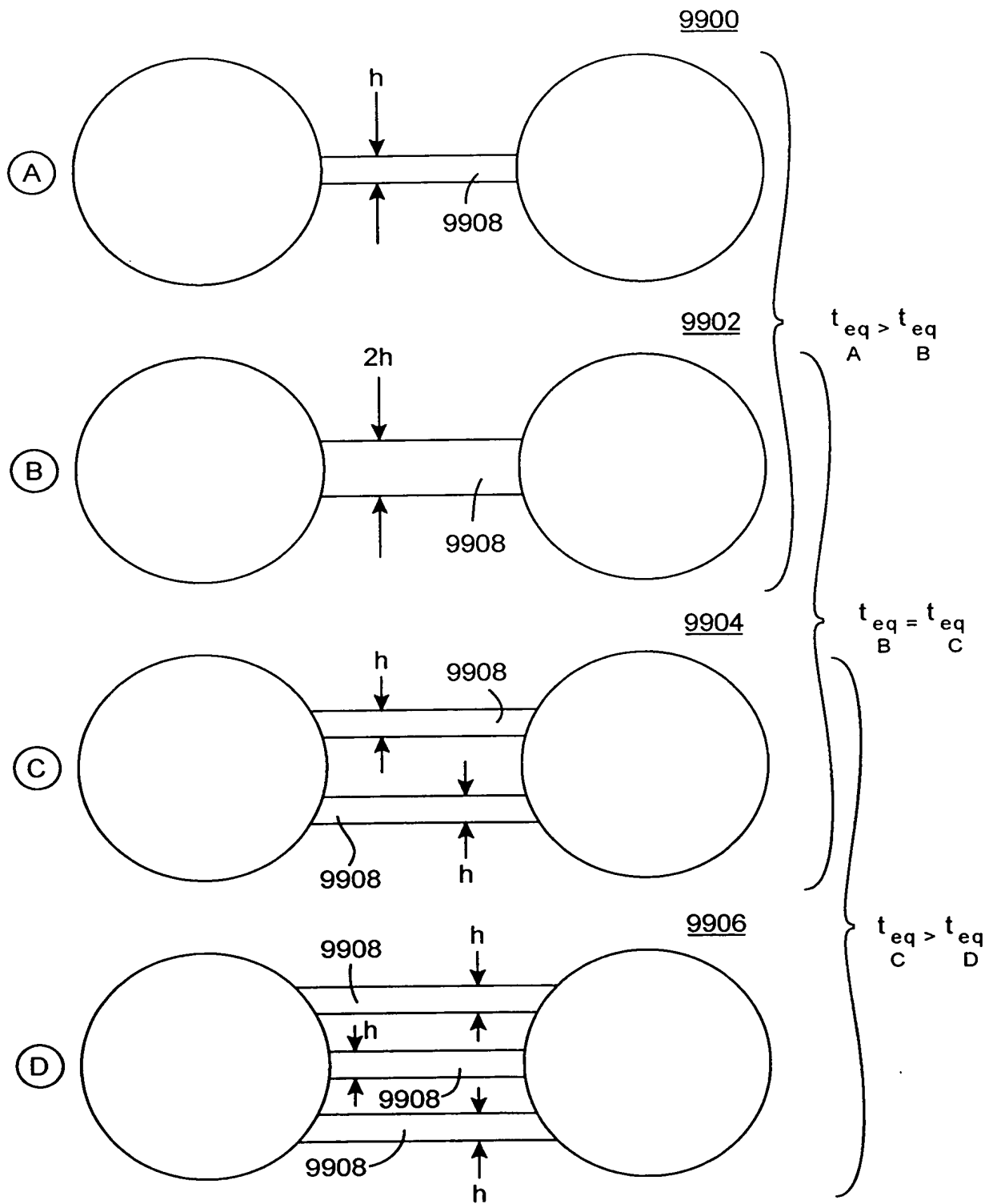
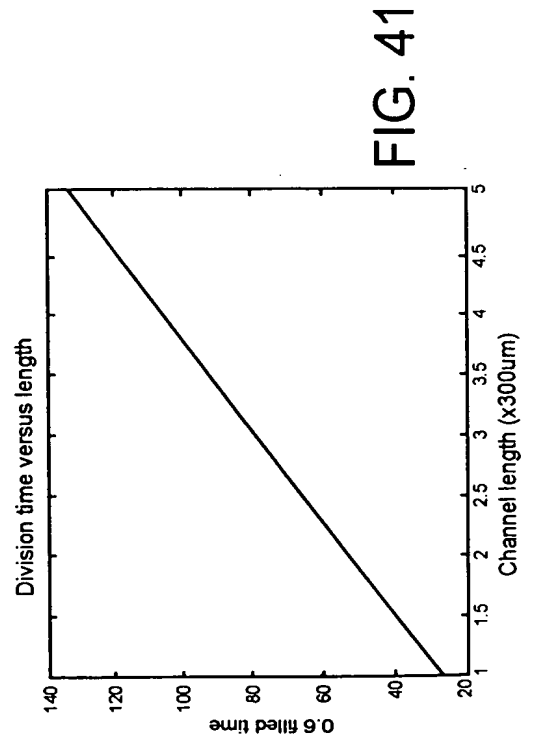
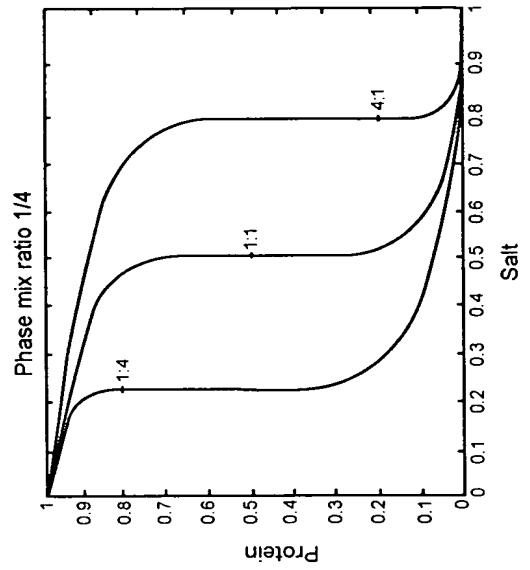
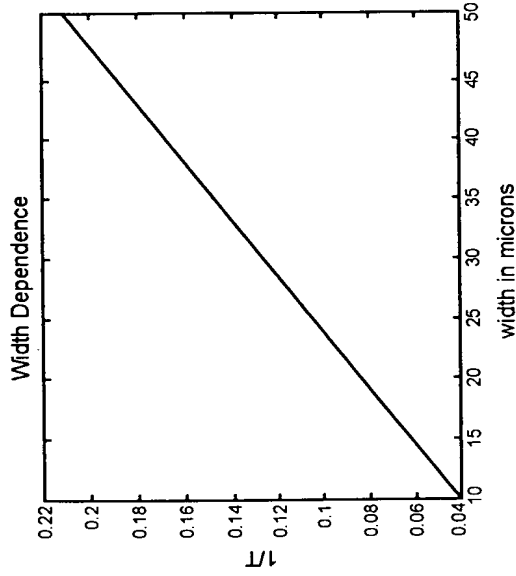
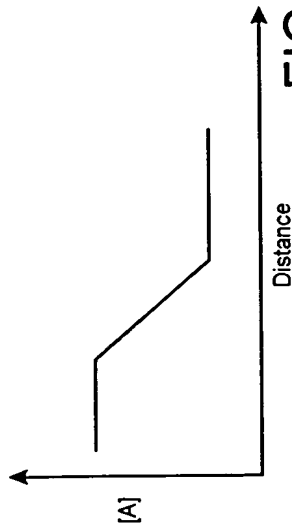
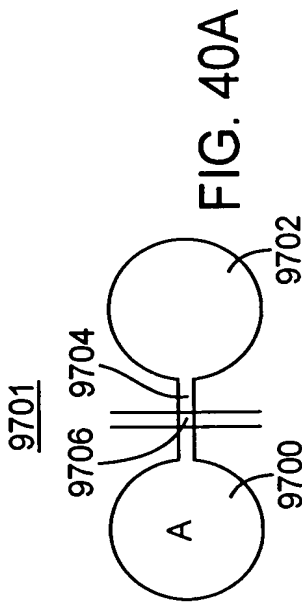
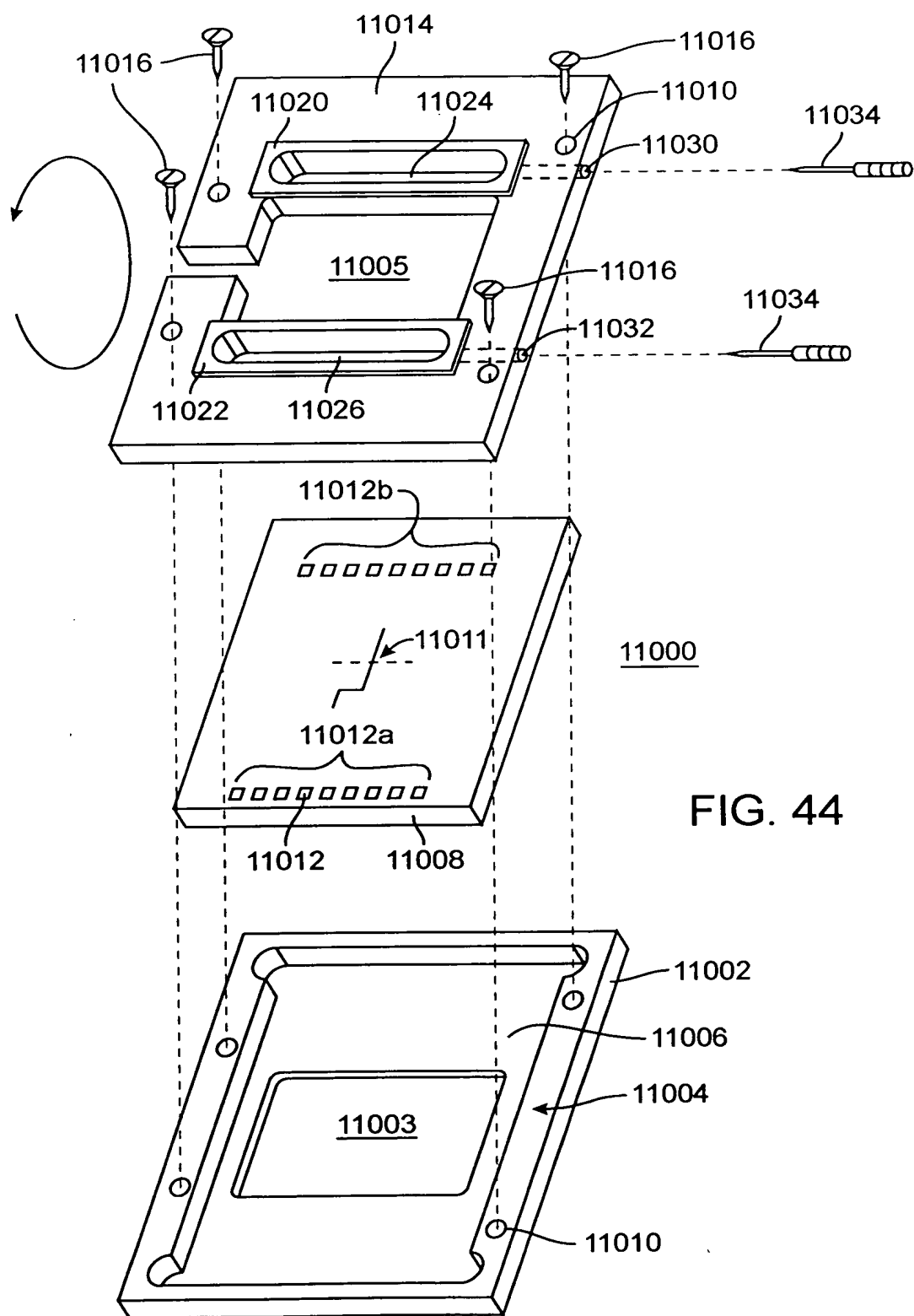


FIG. 39





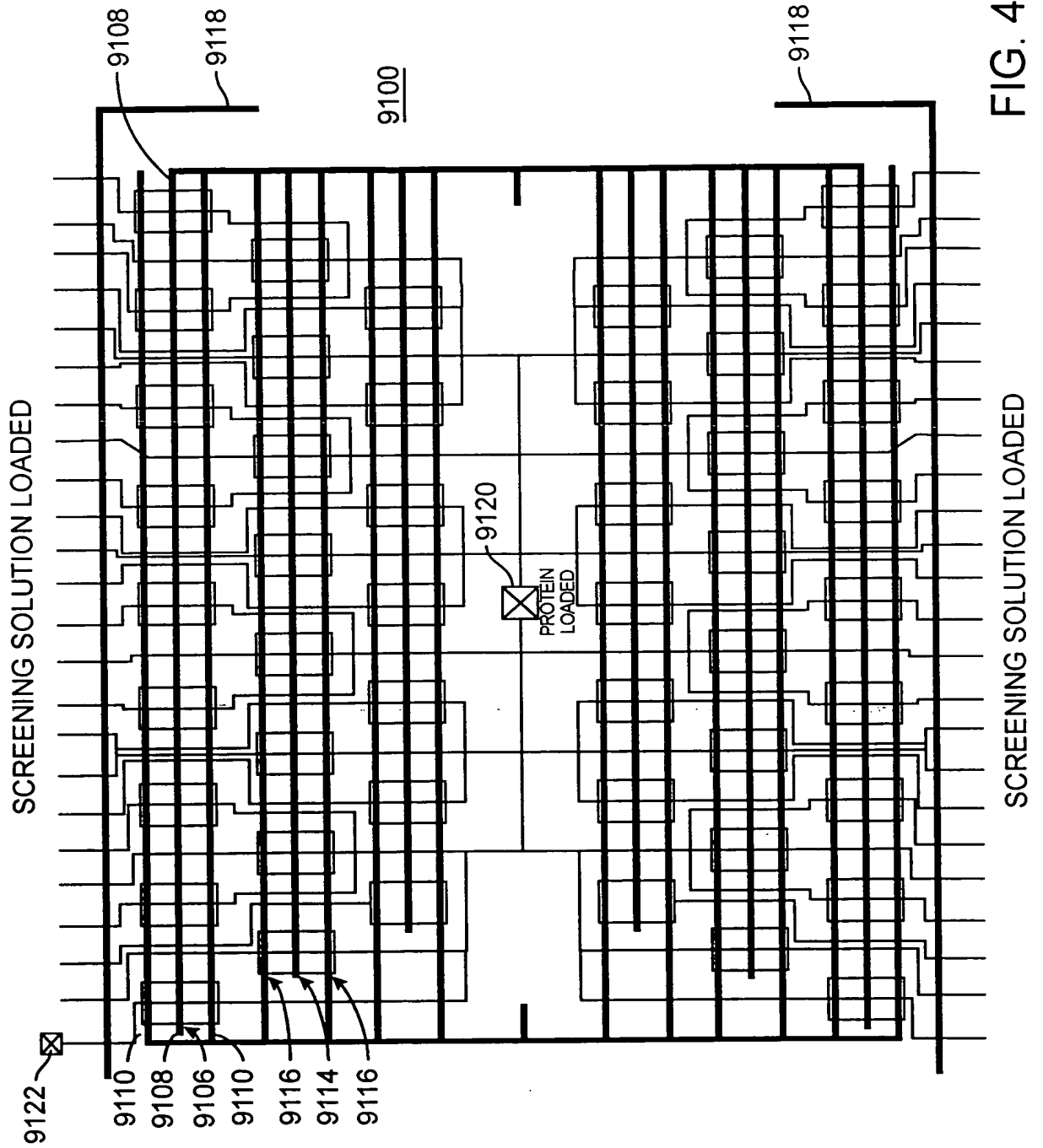
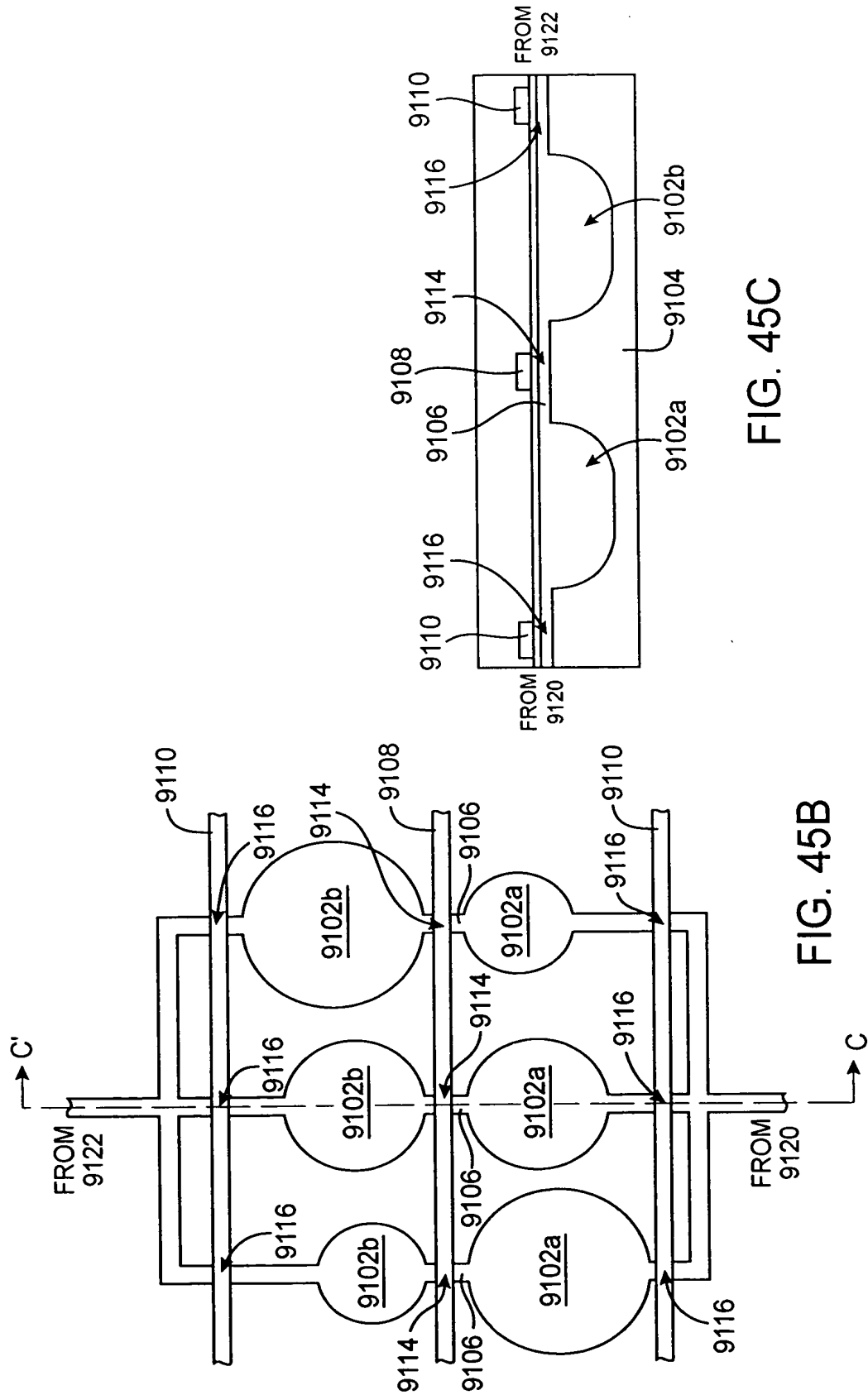


FIG. 45A



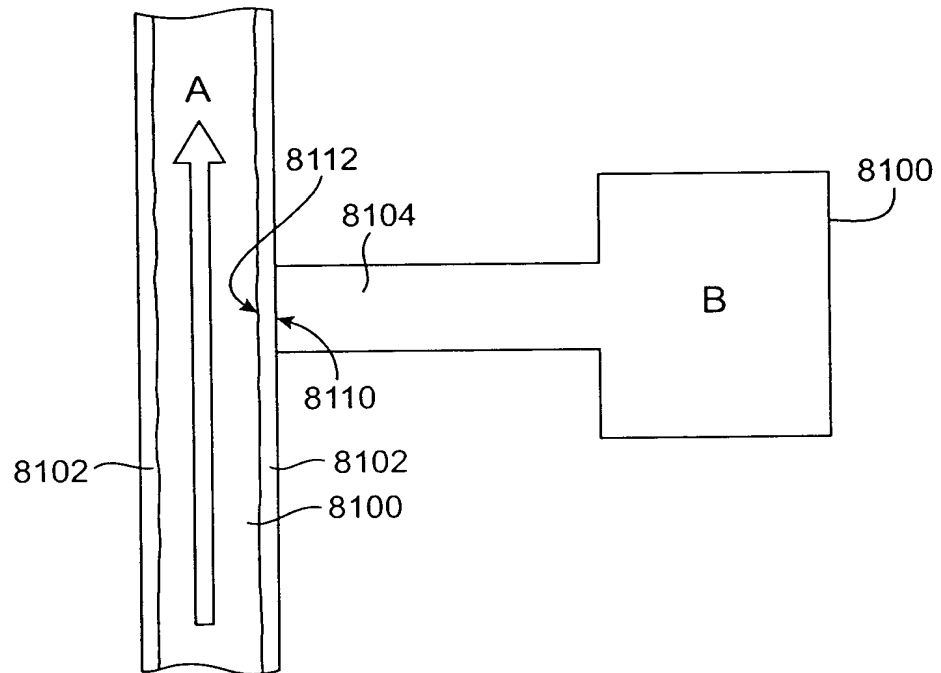
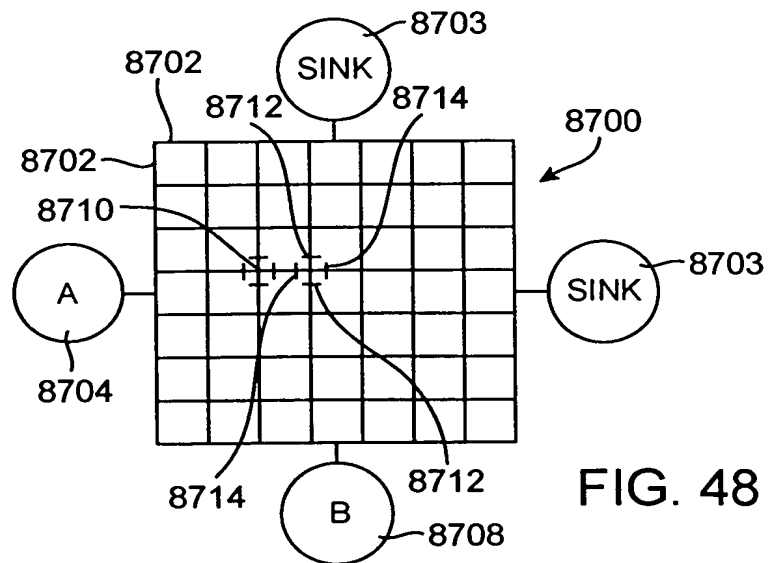
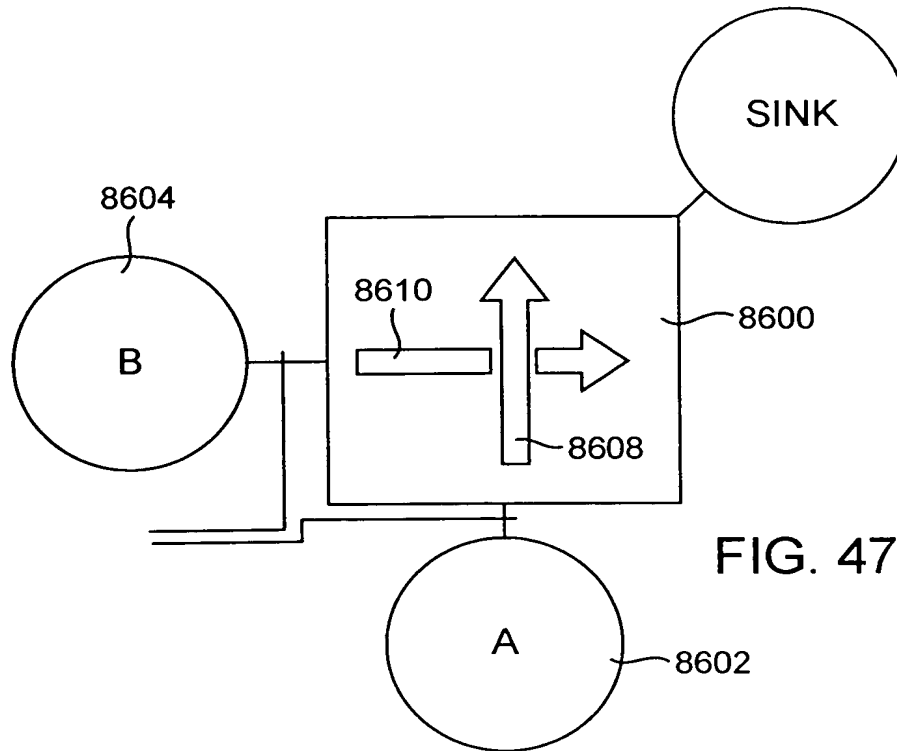


FIG. 46



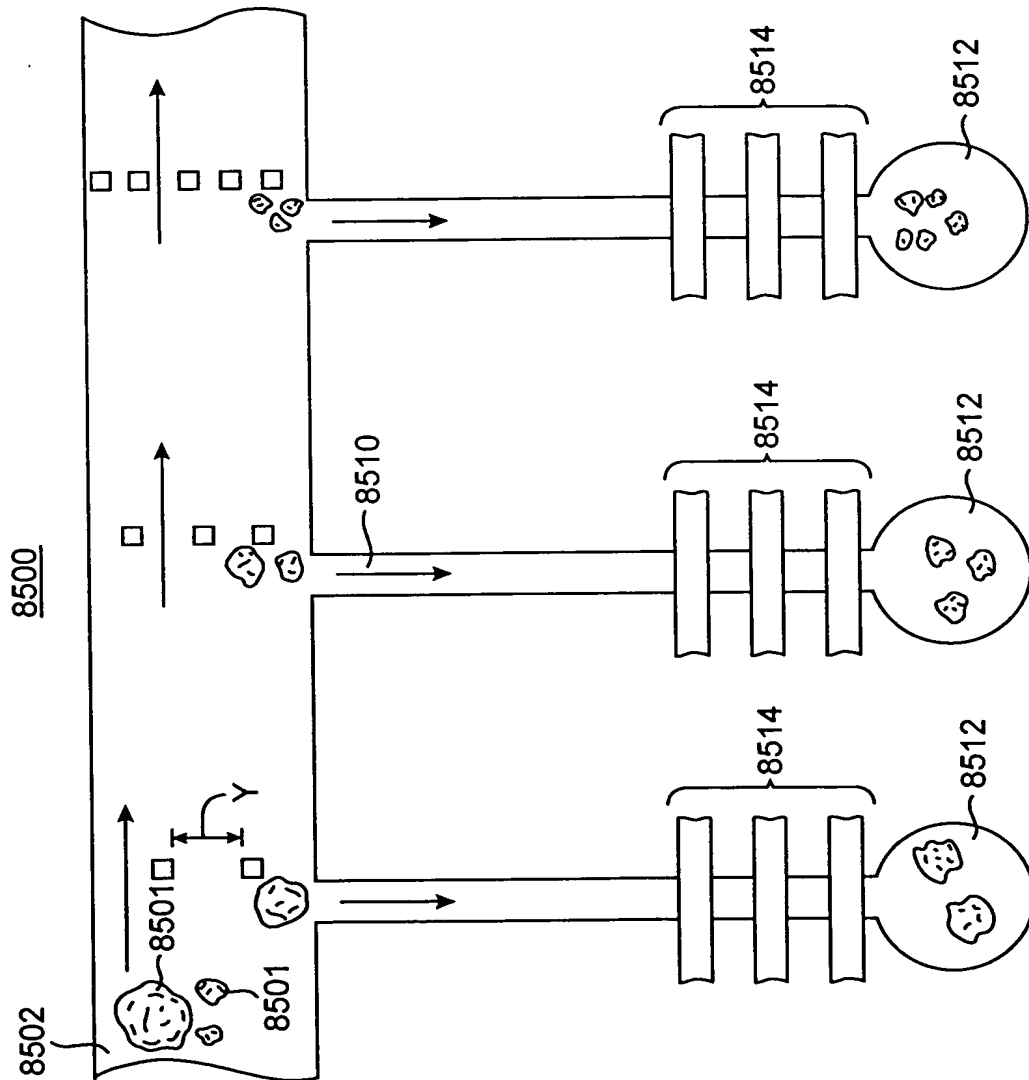


FIG. 49

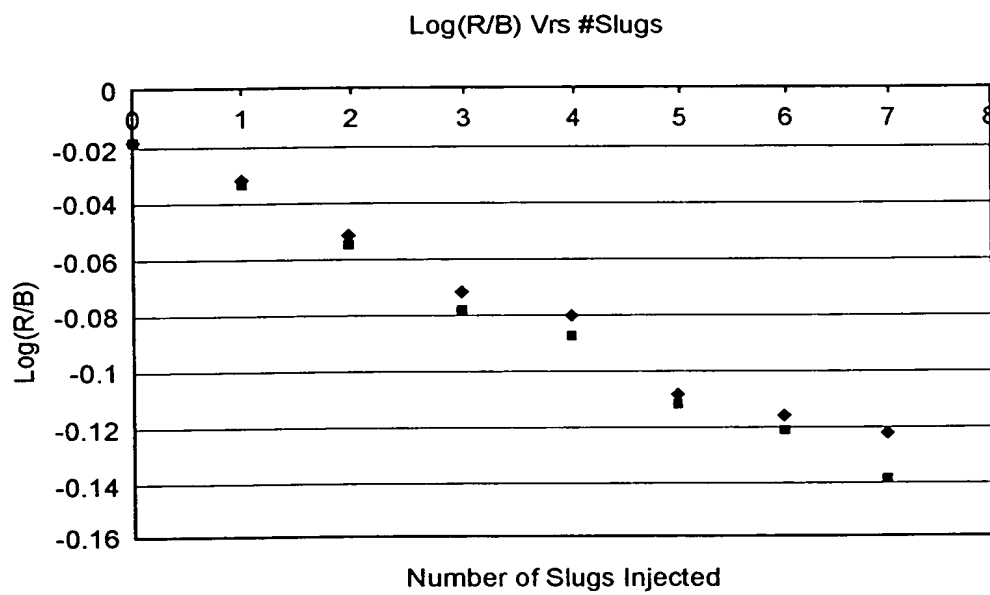


FIG. 50

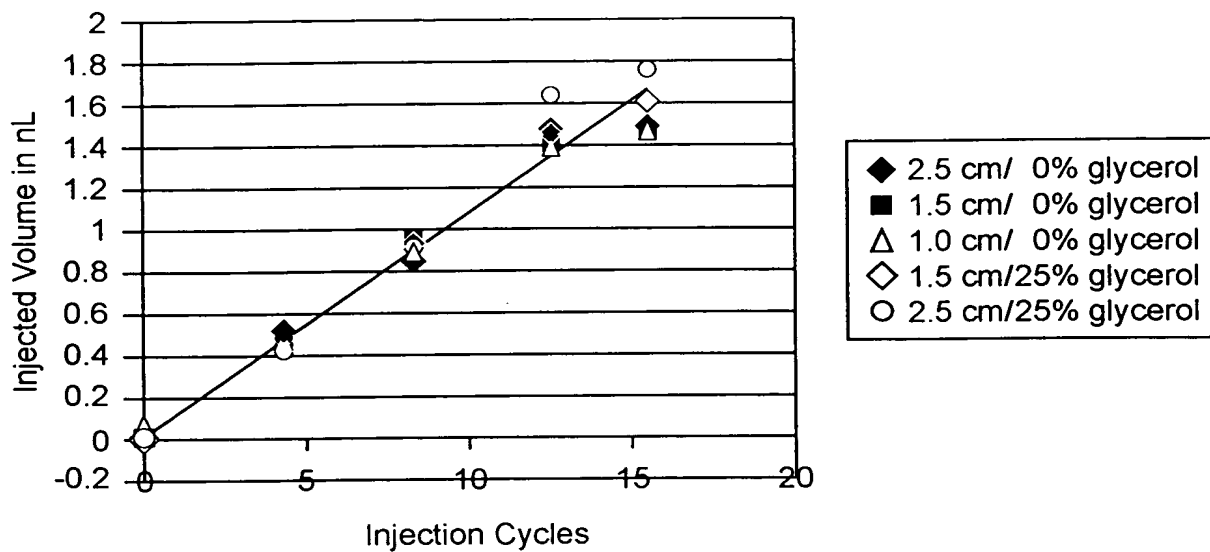


FIG. 51

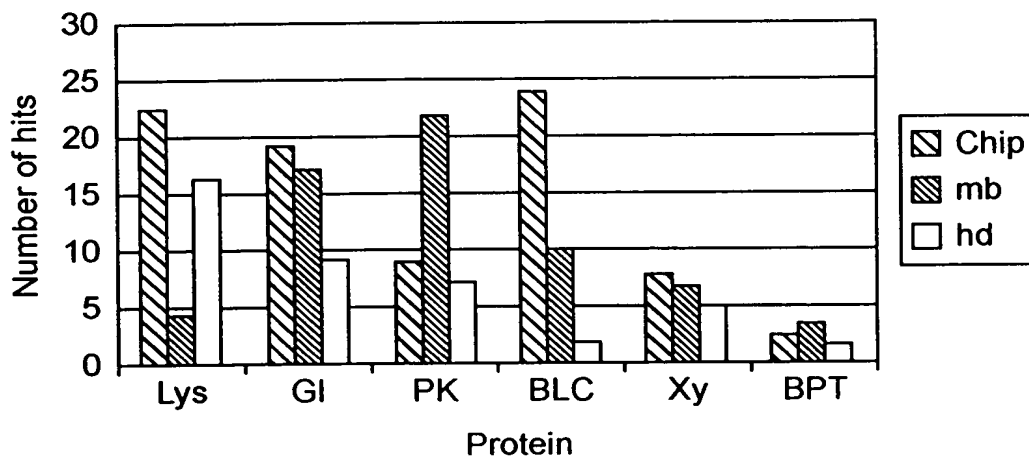
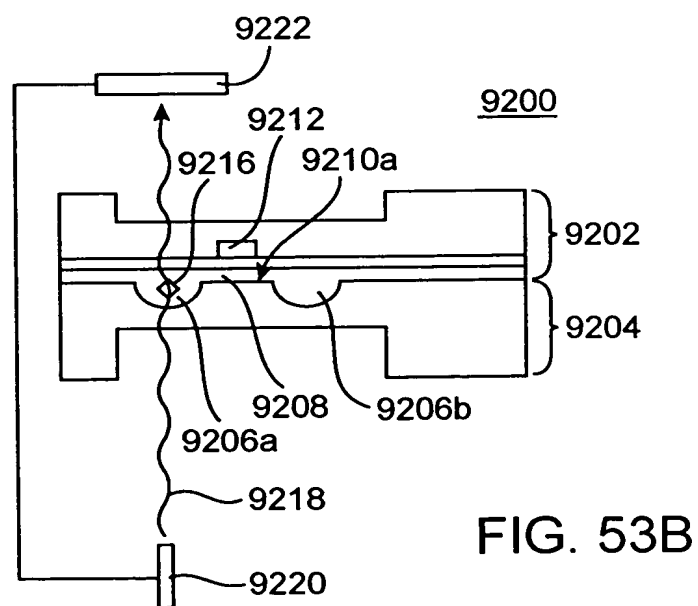
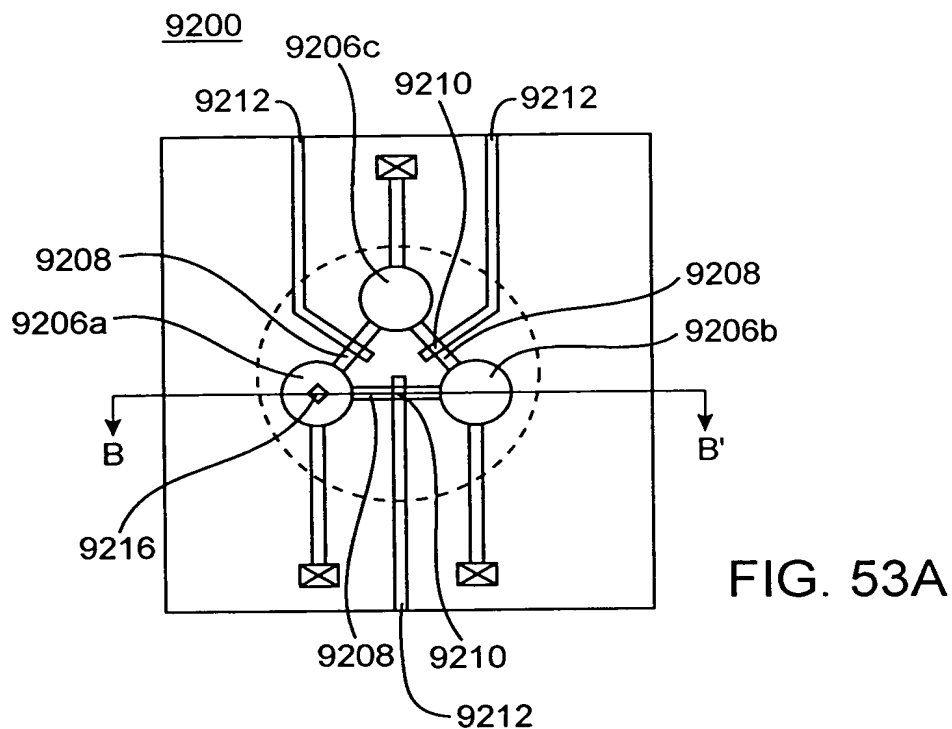


FIG. 52



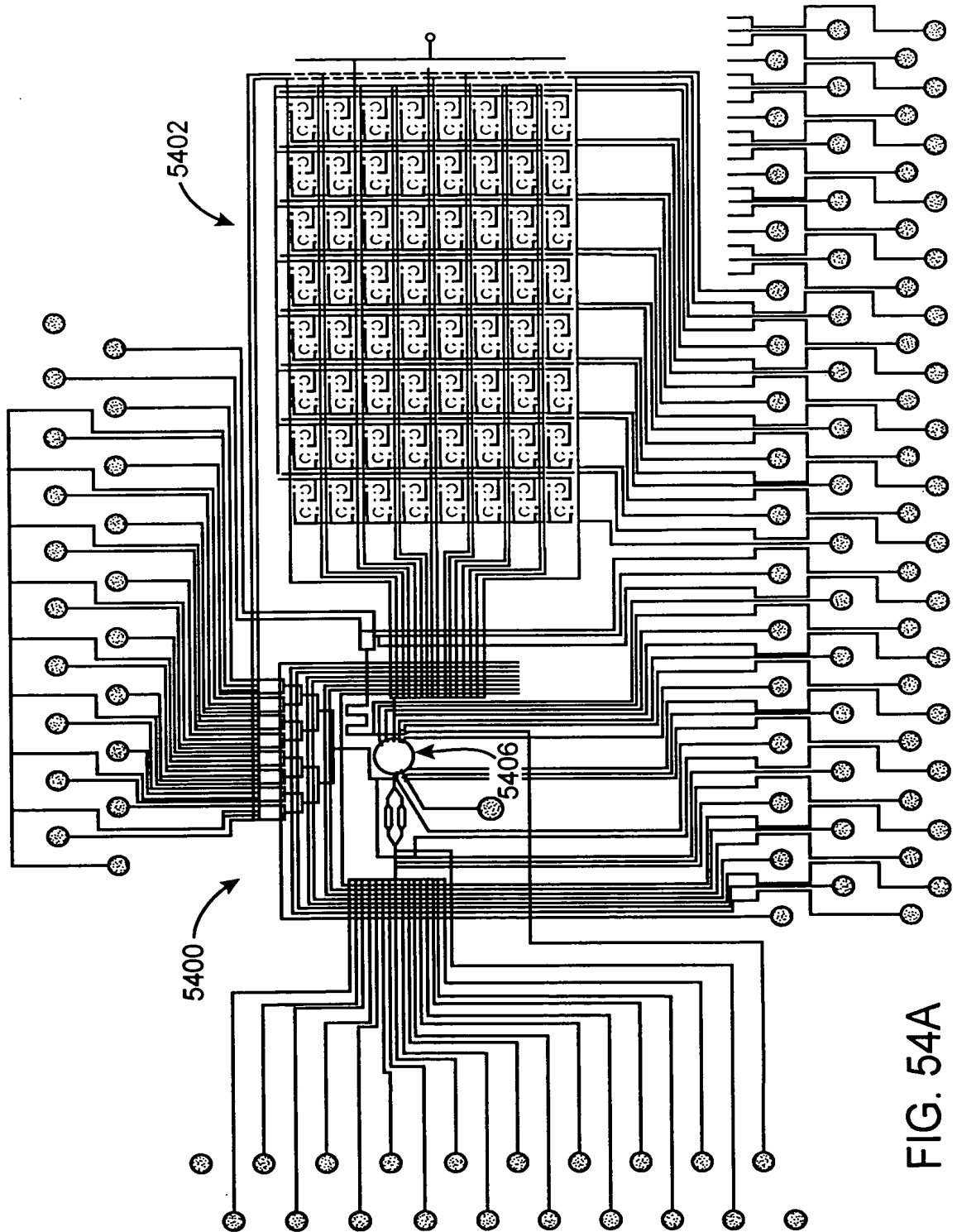


FIG. 54A

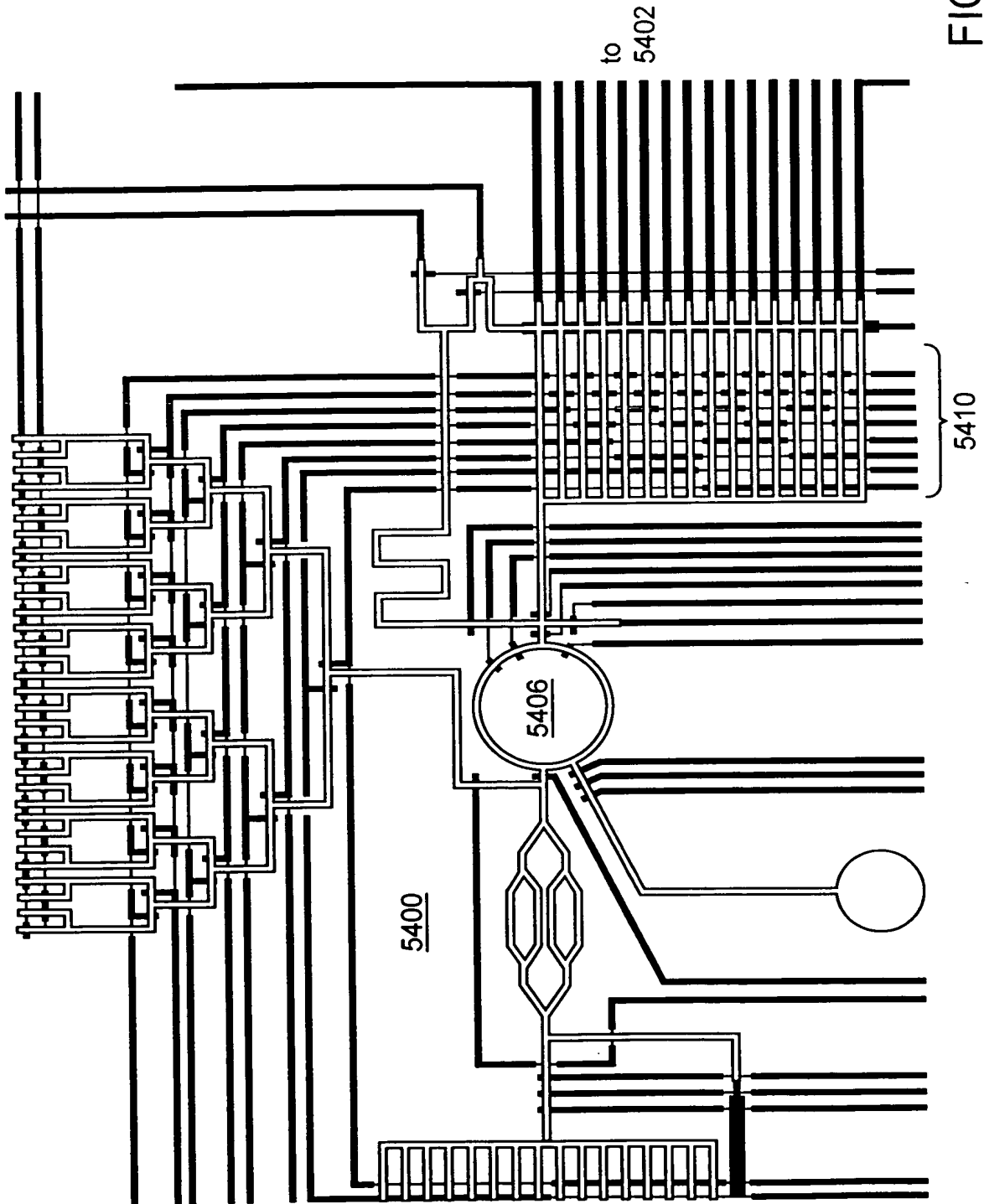


FIG. 54B

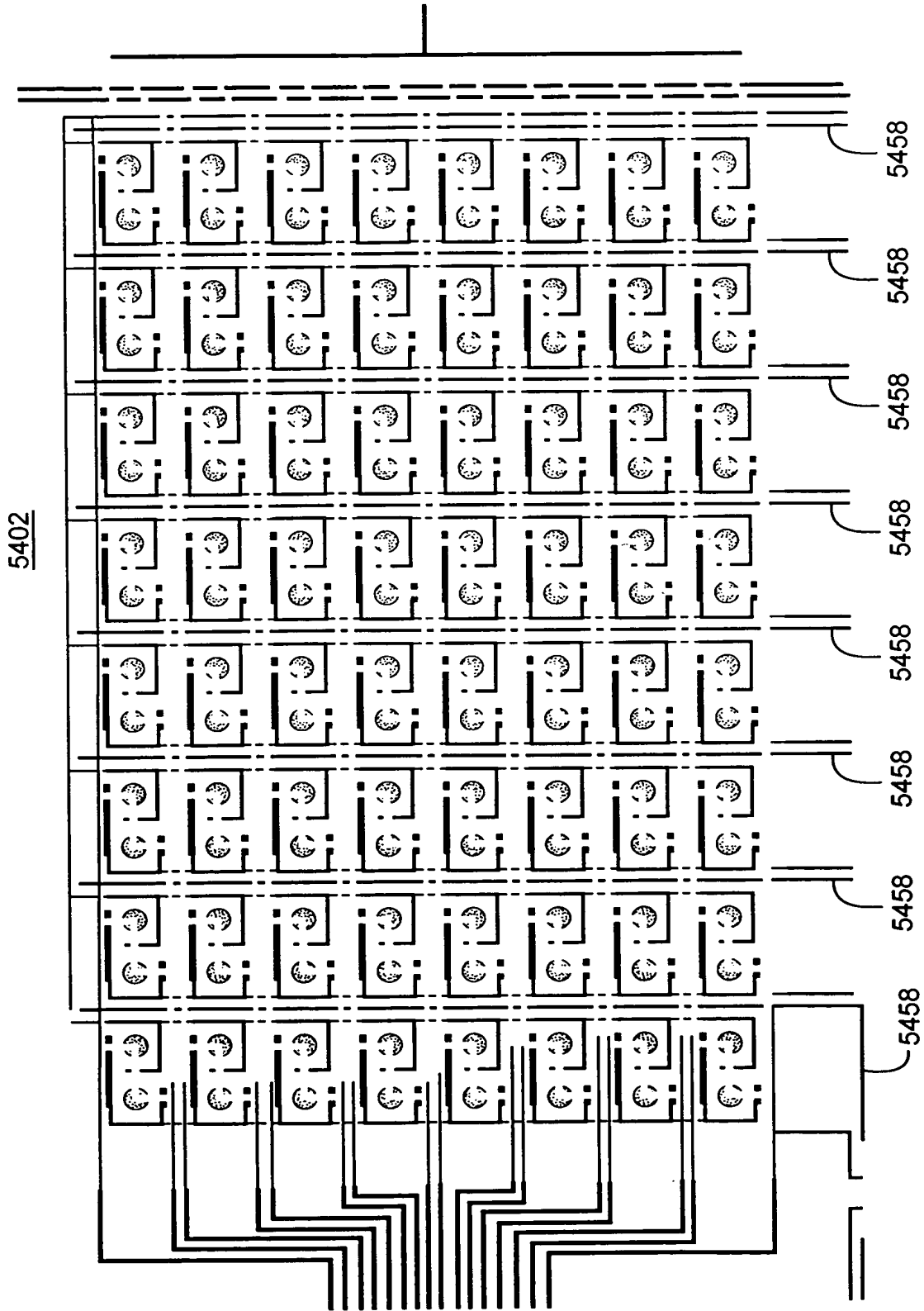


FIG. 54C

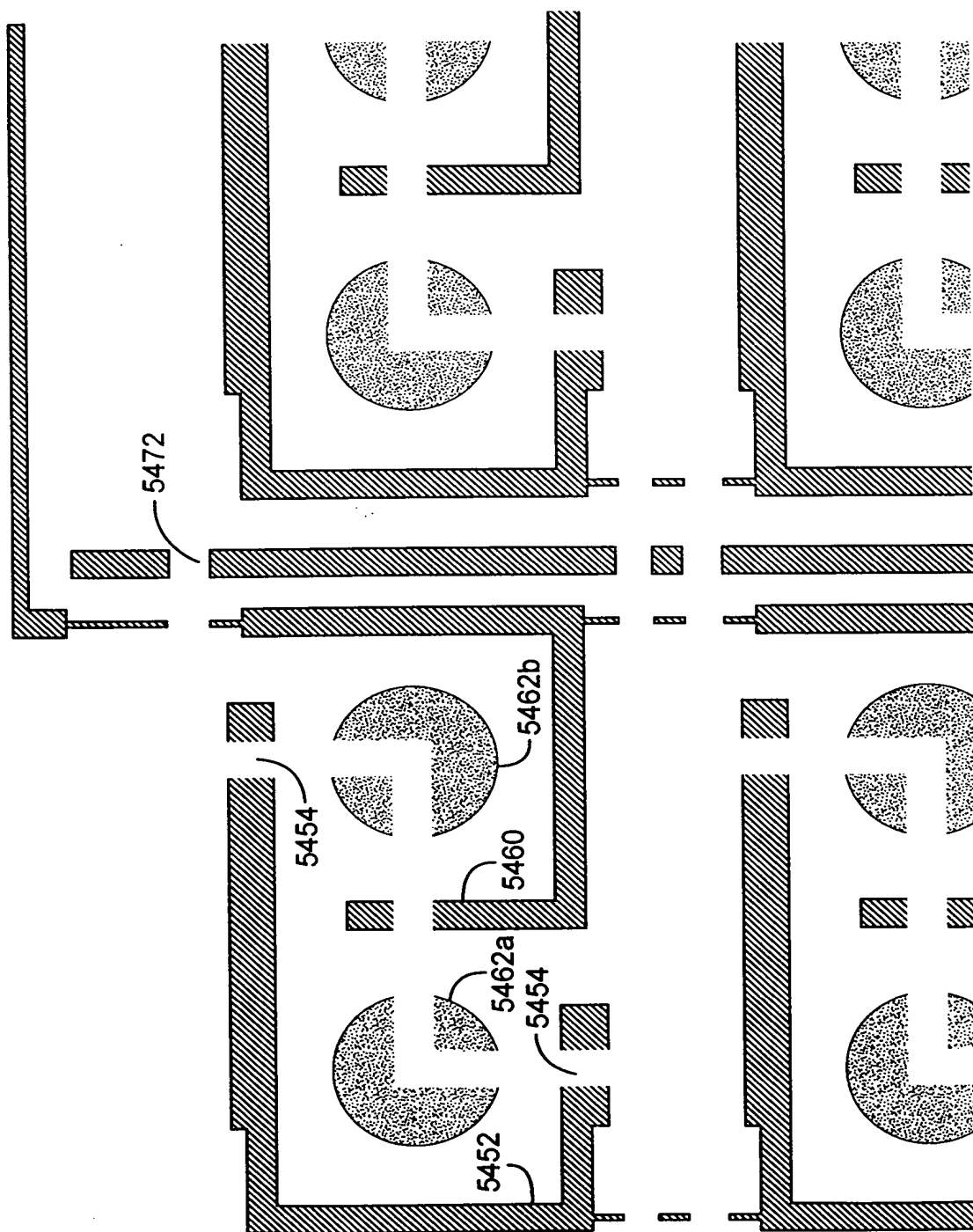
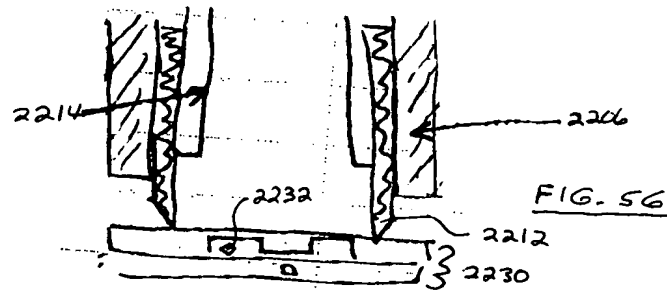
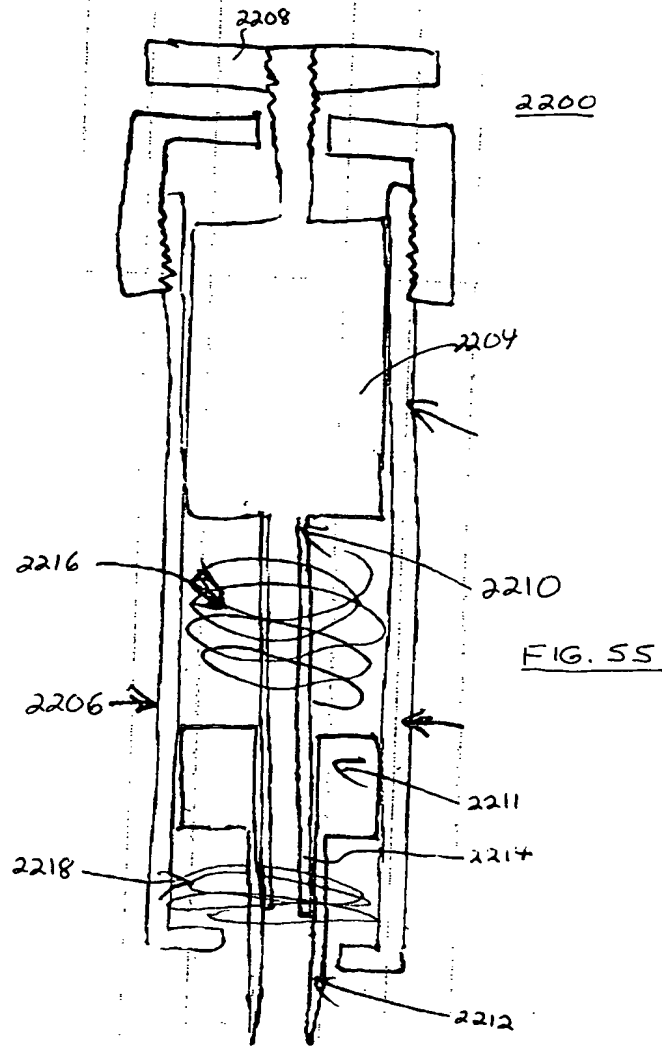


FIG. 54D



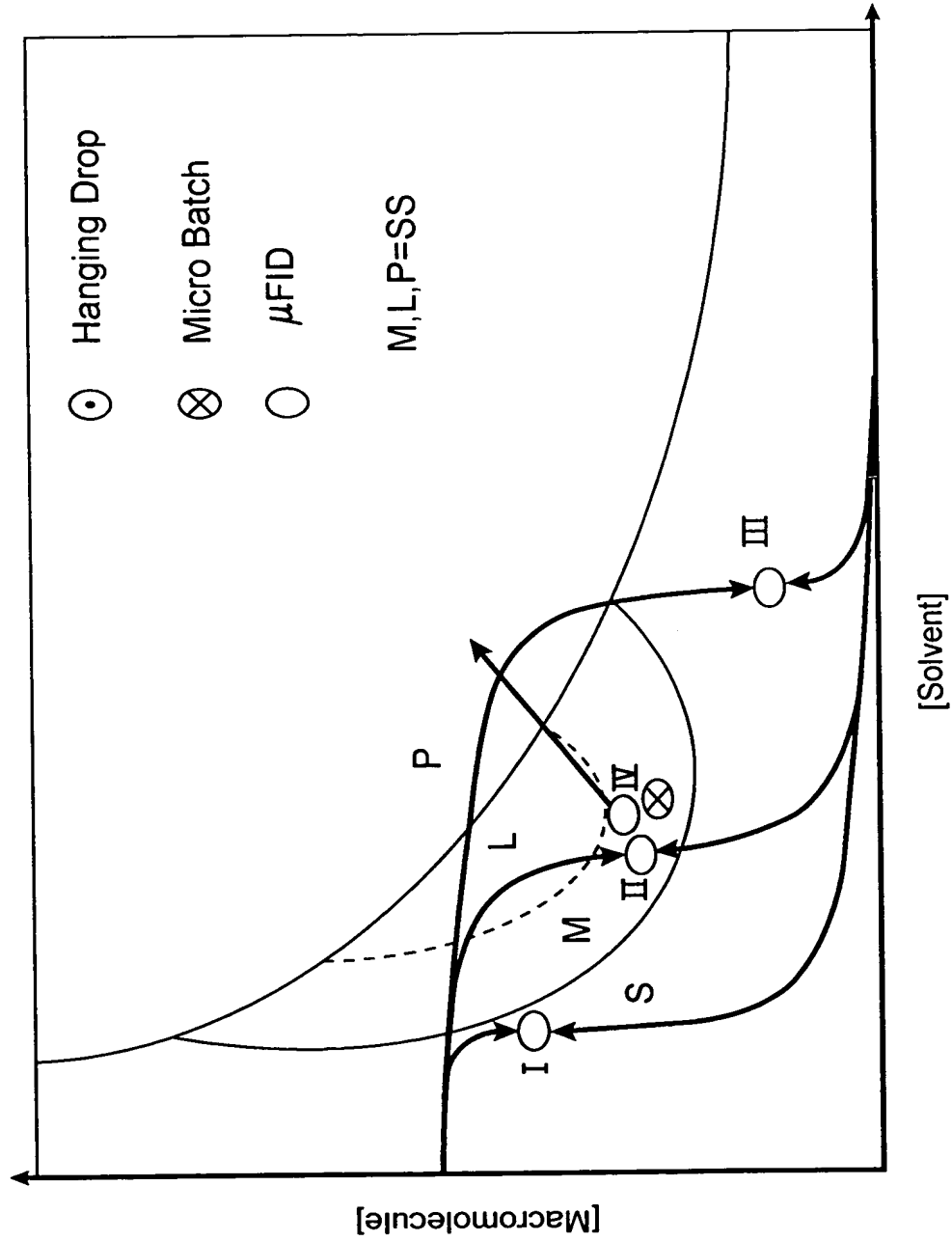


FIG. 57

